# lining Journal.

lustrated Record of Mining, Metallurgical, Railway, Financial, Industrial, And Engineering Progress.

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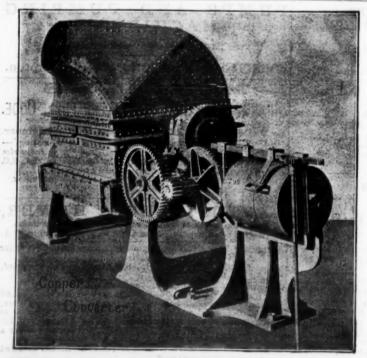
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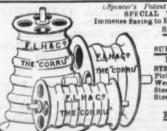
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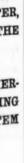


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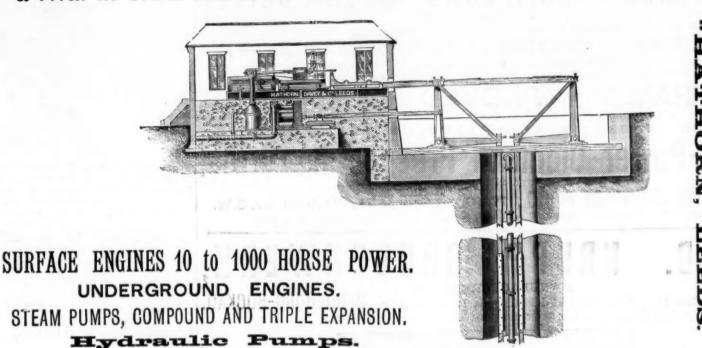


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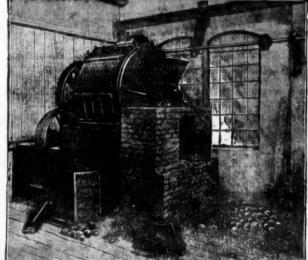
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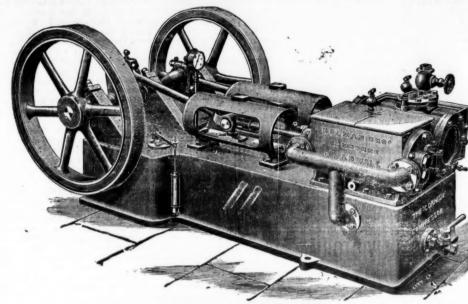
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London Offices: 7 and 9, LEADENHALL BUILDINGS, E.C.

ALL SAINTS WORKS, DERBY; 118, NEWGATE STREET, LONDON, E.C. CARDIFF, JOHANNESBURG, CALCUTTA.

ELECTRIC LIGHT AND TRANSMISSION OF POWER.

Jeffrey Machines for Undercutting Coal, WORKED EITHER BY COMPRESSED AIR OR ELECTRICITY. DAILY USE.

OVER 600 IN

ELECTRIC BLASTING APPARATUS. HIGH OR LOW TENSION EXPLODERS. CABLES, FUSES. Electric Signals and

Telephones.

MINING AND SURVEYING INSTRUMENTS, THEODOLITES, HEDLEY DIALS, LEVELS, CLINOMETERS.

MINERS' SAFETY LAMPS. ALL PARTS INTERCHANGEABLE.

SEC. A. MATHEMATICAL & MINING INSTRUMENTS, MINERS' LAMPS, &c. SEC. B. ELECTRICAL PLANT AND STORES.

CORNISH POST AND MINING NEWS

A HIGH-CLASS UNIONIST NEWSPAPER.

Specially devoted to Cornish Mining, upon which it contains the fullest and most reliable information published. It is the only eight-paged newspaper printed in the Mining Division of Cornwall.

1SSUED EVERY THURSDAY and SATURDAY, PRICE ONE PENNY.

The Cornish Post and Mining News Co. (Limited)
East Charles Street, Camborne, Cornwall.

AWARDS: CRYSTAL PALACE, 1890; TASMANIA, 1891; KIMBERLEY, 1892.

Clarkson-Stanfield Reduction Ore

In the CLARKSON-STANFIELD process of Concentrating Refractory and Complex Ores no water is required; dust is reduced to a minimum; the loss of Mineral through water-borne Slimes is obviated.

OUTPUT 1 TO 2 TONS PER HOUR, ACCORDING TO SIZE OF MACHINE.

6, COLONIAL AVENUE, MINORIES, LONDON, E.

The Machine is superior to Sieves for Sizing Homogeneous Substances, such as Emery, Sand, and Powders, and may be used to great advantage in the preparation of Ochre.

M.B.-The owners of the Carndochan Mine, near Bala, North Wales, will, by arrangement, show their CLARKSON-STANFIELD plant working on a Refractory Low Grade Gold Ore.

#### NEW PATENTS.

LIST of APPLICATIONS for New Patents relating to Mining Metallurgical, Engineering. Hailway and kindred matters, specially compiled from official sources for the "Mining Journal" by Mesars Rayner and Company, Patent Agents, 37, Chancery Lane, London, W.C., who will forward all information regarding them free on application.

8709 Leon Syxtus D'Is zoro, 1, Mecklenburg Square, London.— Improvements in rotary pumps and engines. 1872 Thomas Henry Tregoning. 4, South Street, Finsbury. London.— Improvements in machines for vanning or concentrating tin and

Improvements in machines for vaning or concentrating in and other ores.

Frans Forst, 18, Fulham Place, Paddington, London,—An improved mixing and feeding apparatus for cost dust turnaces.

Edwin Orawford Merdock, Roswarm Cottage, Camborne,—An improved hollow sylindrical valve for rock drill.

Thomas Frederick Edwards, 45, Southampton Building', Chancery Lane, London.—Improvements in valves.

Freest John Clubbe, Aifred William Southey, and the Electric Motive Power Company (Limited), 55, Ohancery Lane, London.—Improvements in rotary oil or explosion engines.

JOINT-STOCK COMPANIES.

NEW REGISTRATIONS.

THE following are among the joint-stock companies registered at Somerset House since our last notice:—

Gold Fields of British Columbia (Limited).—Registered May 9 by E. Indrews and White, 27, Clement's Lane, E.C., with a capital of £1000, in £1 area, Object: Yo carry on the general business of a mining and amelting mapany in British Columbia or elsewhere. Registered without Articles of Monthly Columbia (1998).

empiny in British Columbia or elsewhere. Registered without Articles of steoclation, Bedrock Syndicate (Limited).—Registered May 9 by Mays and Oo., Bedrock Syndicate (Limited).—Registered May 9 by Mays and Oo., Ib. One of Gardons, E.O., with a capitat of £20,000 in £1 shares. Object: To sarry on the general business of exploring, prospecting, mining, trading, maiting, &o. The directors are to be nominated by the subscribers. Qualification, £150 each per annum and a percentage of the profits divided between them; Chairman, an additional £50.

Anglo-Peninsula Mining and Chemical Company (Limited).—Registered May 9 by Marshall and Haslip, 6, Martin's Lane, Canuon Street, E.O., with a capitat of £100,000, divided into 100 000 shares of £1 each. Object: Primarily to adopt and carry into effect an agreement expressed to be made between the Exporter's Agency (Limited) of the one part and this company of the other part for the acquisition of vertain lands and rights in Portagal er elsewhere, to prospect and examine the same for assoric, do.; and, lariher, to acquire and turn to account any freshold lands, farms, estates, pilon of purchase, alluvial ground, metalliferous land, £0.; to develop and turn to account the same in such manner as the company

shall see fit; and to carry on the business of a mining, milling, smelting, and metallurgical company in all or any of its branches; to construct, maintain and work rail and tram roads; to employ and dispatch prospecting and exploring expositions; to develop and turn to account such lands, &c., as may from time to time be acquired by the company by clearing, draining, janting, building thereon, &c; to carry on business as bankers, capitalists, financiers, company promoters, metal workers, builders and contractors, engineers, farmers and grasiers, horse and cattle dealers, coach proprietors, traders, shipowners, storekcepers, importers and exporters, &c., and all or any of their respective branches.

Great Houldor No. 1 (Limited).—Begistered May 22 by Golding and Phillipe, 10, Abchurch Lane, E.C. Capital &225,000, in shares of £6 and between the Great Boulder Froprietary Gold Mines (Limited) of the first part, and this company of the other part, for the aquisition of a certain mining lease (No. 50 cast) known as the Great Boulcer Extended, the same being situate at Hannan, East Coolgardie, W.A.; to deal with the same in such manner as the company shall see fit; and further to acquire any other mines, eoncessions, rights, options of purchase, alluvial ground, metalliferous land, mineral deposits, &c, in any part of the world; to develop, turn to account, and deal with the same in such manner as the company shall deem expedient, and to carry on the business of a mining, milling, smelting, and metallityzical company in all or any of its branches; as stock raisers, farmers, planters, builders and contractors, elipowners, storekeepers, &c.

Mystery Gold Mining Company (Limited).—Registered May 21 by Morten, Cutier and Cu., 59, Newgate Street, E.C., with a capital of £500, divided into 5,000 shares of £1 each, Object: To acquire by purchase, lease, or otherwise, gold mining, timber, and mineral properties in West Australia, and to develop, work, and turn to account the same; and further to acquire any mines, mining, w

bers, E.C.

Great Boulder No. 2 (Limited).—Registered May 22. Capital £100 in £1 share. Ubjects: To acquire any miner, mining rights, &c., in West Australis, or clear here, and to develop, work and turn to account same in such manner as the company shall see fit.

Great Maori Droam Mino (Limited).—Registered May 22 by Cannon and Son, 20, Wool £xohange, £C. Uapital £110,000, in 5t. shares. O .jects: To adopt and carry into effect an agreement expressed to be made between the British Possessions Opporation (Limited) of the first part, and this company of the other part, for the acquisition of certain mines, mineral lands, £3., in

the Hauraki Mining District, New Zealand; to develop, work, and generally turn to account the same in such manner as the company shall see fit, and further to acquire any other mines, grants, concessions, leases, rights, options of purchase, metalliferous land, aliavisi ground, mineral deposits, &c., in any part of the world; to develop and deal with the same in such manner as the company shall deem expedient, and to carry on the business of amining and smelting company in all its branches. To construct and maintain tram and rail roads, piers, docks, warebouses, wharees, &c; to develop the resources of the lands of the company by clearing, draining, irrigating, planting, farming and building thereon. As stock raisers, contractors, shipowaers, storekeepers, &c.

### CONTRACTS OPEN:

FOR MINE, QUARRY, RAILWAY, AND ENGI-NEERING WORK, STORES, &c.

\*\* We shall be obliged by being promptly placed in possession of particulars regarding contracts open for competition, and of the results of successful tenders. In the latter case contract prices should be guita.

The date given is that by which tenders must be delivered, in nearly all cases further e date given is that by women conservations of the addresses given. In supplying suffermation can be obtained on application at the addresses given. In supplying for such the name of " The Mining Journal" should be mentioned as the original ree of the information, concerning which further particulars are requ

HOME CONTRACTS.

Coal and Coke. June 10 (London).—For the supply of ceal and coke at the police offices, stations, and section bousss, and for steam launches in connection with the Metropolitan Police district for a period of one year. Forms may be obtained from the Receiver, at his office, New Southand Yard, S. W.

Tug Boat. June 13 (Baifast).—For the construction and supply of a twin screw tug-boat, for the Belfast Harbour Commissioners. Oopies of specification form of tender, and any further information required may be obtained at the Harbour Office. Sealed tenders, ou the special forms provided for the purpose to be addressed to Mr. W. A. Currie, secretary, Harbour Office, Belfast, endorsed "Tender for Tug Boat," and sent in by June 12.

Locomotives, June 15 (Sofa).—For the supply of nine lecomotives, Applications to the Ministry of Public Works and Communications, Sofa, Bulgaria.

Dugariand Coke, June 10 (Lendon, S. W).—The Receiver for the Metro-Coal and Coke, June 10 (Lendon, S. W).—The Receiver for the Metro-politan Police District is prepared to receive tenders for the supply of coal and coke at the police officer, stations, and section houses, and for steam leancher, for one year, commencing July 1.

auncher, for one year, commencing July 1.

Coal, June 10 (London, S.W.). —For supply of steam, gas, and house coal, from July 1, 183., to June 30, 1937 (both days inclusive), to the asyluma at (1) Banatead, near Satto., Surrey; (2) Cane Mill, Couldon, Surrey; (3) Claybury, Woodford, Essex; (4) Colney Hatch, New Southgate, N.; (5) Hanwel, W., or the Asyluma Committee of the London County Council.

Bridgowork, June 10 (London, S.C.). —For supply and delivery of plate giver size bridge, for the Sex Indian Rulway Company, as per specification and drawings at company's offices, Nicholas Lane, E.C. Fee El 1s.

Tires, June 9-16 (London, S.W.). —The Secretary for India invites tenders for steel tires, break-d awa crane, and locomotives. Conditions of the Directories of Stores, India OS 2, Whit-ball, S.W.

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#### WIRE MINING ROPES

THEIR TECHNOLOGY MANUFACTURE, AND USES.

By J. BUCKNALL-SMITH, C.E., Author of "Wire: its Manufacture and Uses;" "Underground Rope Haulage;" "Cable Traction for Rail and Tramways," &c."

No. I.

ROBABLY no word of four letters in the English language embodies more general technical importance than the, to many, insignificant monosyllable—wire. Mining men necess rily have some acquaintance with a form of the product, however elementary, but its countless services daily rendered each and everyone of us in practically every department of life are rarely recognised. By its aid the numerous mineral treasures of the earth are raised to the surface from the deepest of mines: of the earth are raised to the surface from the deepest of mines indeed, in Great Britain alone over 150,000,000 tons of coal are annually raised by the agency of wire ropes. We may casually mention its utility in connection with our enormous shipping mention its utility in connection with our enormous shipping interests, the tilling of land, the transmission of telegraphic messages over the earth's surface, or through the silent ocean depths; the great generating and distributing medium of electricity itself may be summed up in the word wire; but these and innumerable like examples of the multifarious uses of this slender product do not concern us in the present dissertation. Wires composed of all the metals, as well as numerous alloys, are daily manufactured, from \( \frac{1}{2} \) to 1-1000th of an inch in diameter, and in some cases in such delicate forms that some 2000 yards weigh less that 1 ounce, but in the present series our attention will be confined to iron and steel wire and its meanufactured products as applied to mining, haulage, and series our attention will be confined to iron and steel wire and its manufactured products as applied to mining, haulage, and winding purposes. Iron, however, now plays only a comparatively small part in the production of running ropes, the alloy of steel having mainly superseded this metal. Indeed, beyond the employment of some Swedish iron wire ropes for passenger lifts or elevators, different grades of steel wire are now almost exclusively used for winding and hauling services, although in some exceptional cases iron may be beneficially utilised, for the reason's hereinafter explained. The term, steel ropes is often ambiguously employed in the trade, supplies utilised, for the reasons hereinafter explained. The term, steel ropes, is often ambiguously employed in the trade, supplemented by such indefinite distinctions to the outside world as "patent," "improved," and "plough" steel wire ropes. Bessemer steel is usually unsuitable for the manufacture of mining ropes, crucible steel being the best material of construction in the majority of cases, although to really procure it is reasonable price must be paid. It is astonishing, with regard to the importance of the issue, how many mining engineers and officials still prefer to accept, if not seek, exceptionally cheap ropes, when they should be aware that the wire alone, if of good quality, must cost more than the price they give for cheap ropes, when they should be aware that the wire alone, if of good quality, must cost more than the price they give for the finished rope. Disregarding questions of safety, such practices are mistaken ideas of judicious economy in 90 per cent of the cases. At the present time, in the metal trades generally, the difference between the prices of iron and steel is comparatively small, but in the wire trade the variation in cost is often very considerable, because iron is more easily "drawn" than high grades of steel; further, the latter is usually subjected to skilful and costly processes of annealing and tempering, which raise or develop the latent properties of the wire to a very remarkable extent. In the trade this occult treatment is commonly termed "patenting or improving," the importance and value of which may be in some measure understood, when it is appreciated that steel wire is daily manufactured with an ultimate tensile resistance equal to some three times the strength of any other form of manufactured steel.

Whereas the range of tensile resistance in iron wire may be

Whereas the range of tensile resistance in iron wire may be roughly taken as between 35 and 40 tons per square inch of sectional area, different grades of steel wire may have a strength commencing from the latter upwards to about 175 tons per square inch. The so-termed "mild steels" present an efficiency between (say) 40 and 60 tons per square inch; the "patent or improved" steels between 65 and 90 tons, and the "plough" improved" steels between 65 and 90 tons, and the "plough" steels from 100 tons resistance per square inch of area upwards. The term "plough" was derived from the occurrence that steel wire of high breaking strength was first employed in the manufacture of ropes for steam ploughing purposes. The greater the ultimate tensile resistance of steel wire, the larger the proportion of carbon present with the iron—e.g., the percentages of carbon to be found in the classes of steel above referred to may range (say) between 12 and 85, appreciable traces of sulphur and phosphorous being more or less detrimental in the production of high class wire.

tion of high class wire.

So far only the salient principles of tenacity in steel wire have been touched upon, but it will be readily apparent that proper degrees of torsional, bending, and clastic efficiency are equally important in most cases; further, that the first cited property is raised or developed at some sacrifice of the latter qualities—i.e., the greater the tonsile resistance the lower the torsional, elastic, and elongational efficiency of the wire, and vice versa. Hence, in mining operations and applications of ropes, the precise requirements and conditions of work should be carefully studied and determined in each case. Assuming average favourable circumstances, fair-sized and decently-mounted pulleys and drums, hauling ropes composed of cast steel wires of about 80 ton quality, will usually be found to give good results of course, the gauge and number of the wires, the con-

struction of the strands and rope, also play important parts, and these considerations will be described later on. Winding and these considerations will be described later on. Winding ropes made of a similar quality of steel often satisfactorily meet requirements, but when the loads to be raised are heavy, and the shafts exceptionally deep, it is frequently advisable to employ steel of higher grades of tenacity—e.g. (asy), of from 100 ton quality. The higher the tensile efficiency of the component wires of any rope, the larger should be the diameters of the overhead pulleys and winding drums, &c., the proper proportions of same under veryong conditions for same under veryong conditions. tions of same, under varying conditions, forming a subject of comment later on in this series. Wire ropes required to work in wet or damp pits, galleries, or places may sometimes to advantage be formed of galvanised wires, although this process of preservation causes some small depreciation in the qualities of the material. The flexibility of wire ropes obviously depends upon the nature and form of the cores or hearts of same, and the number of wires used in the strands of the complete structure.

It has been before suggested that in some exceptional in stances ropes composed of superior iron wire may give good results when those composed of steel undergo rapid destruction from corrosion and chemical change. This is a fact which has been singularly neglected; indeed, the engineer must not usually look to wire rope manufacturers for scientific or technical look to wire rope manufacturers for scientific or technical guidance, or he may be misled. A professional man should be in a position to definitely specify the materials of construction, gauge of wire, form of strand "lay," &c., required for his purpose. It should be remembered that steels corrode more rapidly than iron when immersed in salt water or under the influence of saline moisture. Oxidation is due

ence of carbonic acid and water, and this action is accelerated by heat and galvanic agency. Acrid vapours or acids in solution attack both iron and steel, and, if anything, the latter with greater activity; indeed, under such influences galvanisation with zinc is of no practical service. Bright wire corrodes more rapidly than varaished or dull wire. Zinc affords little, if any, protection in the presence of fresh sea or salt water, and the degrees of corrosion in such cases are constant and progressive. The complex structure or carbides present in the alloys of steel are considered by chemists to be a cause of galalloys or steel are considered by chemists to be a cause of gal-vanic disintegration when surrounded by moisture or an atmos-phere impregnated with saline salts. These conclusions are not based on theories, but exhaustive experiments. Professor Andrews, F.R.S., considers that in some circumstances "the advantages in favour of iron are fully 20 per cent."—this seems an extreme example. Baneful results sometimes follow the em-ployment of a combination of metals or alloys. Hence iron wire cores in steel ropes may accelerate corrosion under the influence of saline moisture. This will not be astonishing information when one remembers that the combination forms a galvanic pair. Free solutions of caustic alkali prevent or deter rusting, i.e., oxidation of wire ropes. Imperfectly diffused man-ganese in steels, it is considered, promotes corrosion under the nemical influences defined.

The writer has experienced instances in which iron rope

have given more satisfactory results than those composed of steel, although this must be qualified as an exceptional experience, due to the peculiar conditions or surroundings above-mentioned. From that which has been stated, it obviously follows that all lubricating or protective oils and grease used in connection with wire ropes should be absolutely neutral, or slightly alkaline, the presence of any acids being highly detri-mental to their preservation and lives.

#### MINING IN VICTORIA.

(FROM OUR OWN CORRESPONDENT.)

O far as the year 1896 has progressed, the mining industry of Victoria has enjoyed a season of unusual prosperity, which has been mainly attributable to the opening out of new country, and the large number of small co-operative parties working reefs to shallow depths, combined with the efforts of working reefs to shallow depths, combined with the efforts of untrained and inexperienced men re-working the alluvial of the older gold fields. The success that attended mining explorations during last year has added largely to the stability of mining, and the amount of money continually seeking investment in small companies located around Washalla, Jericho, Donnelly's Creek, and other places in the vicinity, is daily increasing. Taking the last decade as a guide, success was never so general as now. At the same time, of course, the greater the extent of the exploitations being carried on, the larger the extent of the exploitations being carried on, the larger the amount of capital which must remain temporarily unproductive

whilst the period of fruition is being reached.

The only quarterly return in since my last, is for the Beechworth division of that district, amounting to 4449 ounces 15 dwts., nearly all of which was obtained from alluvial

workings

The estimated yield of gold for the quarters from the Stawell mines has been 3600 ounces. The dividends paid by the Magdala-cum-Moonlight Company during the period amounted

Mr. L. A. Samuels, who has recently returned to Bendigo from Europe, and is now managing a number of English-owned ventures on that field, has purchased Mr. Parker's specimens from the Parke's or Crusoe reef at a depth of 15 feet. The Bendigo correspondent of the Argus states the weight of stone and gold enclosed therein to be 103 ounces, and by careful test the gold has been estimated at 65 ounces. Mr. Samuels paid £253 10s. for them. Subsequently the same gentleman tried to buy some rich stone taken from the north level at a depth of 2782 feet in the Shenandoah, but the directors declined to sell any of 'the specimens. Mr. Samuel's idea is to exhibit in London specimens from various parts of and depths on the Bendigo field, with the view of attracting capital to the neglected auriferous areas of this district. Though I hardly think "neglected" is the word meant, for on referring to Mr. R. A. F. Murray's (Government geologist) report of August 26, 1895, in "neglected" is the word meant, for on referring to Mr. R. A. F. Murray's (Government geologist) report of August 26, 1895, in reference to "auriferous reefs which have been worked in the past successfully, and may in the future, if further explored, become profitable sources of gold supply", he says:—" Nearly all the reefs of any note around Bendigo appear to be occupied and in work. The particulars concerning abandoned ones are too scanty for the present use." To this I may add, Diamond Hill is restabled in a few seconds. Hill is worth looking after.

Quite a crop of mines are named for the London market, amongst which may be mentioned the United Albions Company, at Ballarat. A motion was carried at the last general meeting of shareholders to appoint a representative of the company to proceed to England to steer the venture through. I hear the Chairman, Mr. T. D. Warliss, M.L.C., has been selected. During the discussion a Mr. M. N. Cooper, a prominent shareholder expressed diseasisfaction with the manner in which operate holder, expressed dissatisfaction with the manner in which opera-tions had been carried on by the board. He thought that if the number of shares were increased, and operations carried on with more vigour, there would be no necessity to appeal to English capitalits, and moved an amendment to that effect. The amendment, however, was not seconded, and so the mine goes to London. The Charlotte Plains Pioneer Company near goes to London. The Unariotte Plains rioneer Company near Maldon is another. The O'Connor's Company and the Egyptian Company, in the Taradale district, are also starters. The old Church Hill and White Horse Reefs at Amherst is promised English capital. The South German Mine, Maldon, is another of the batch under offer of £120,000. The prices have transpired for what most of the The prices have transpired for what most of the mines have been put under offer at here, and the transformation they are to make when they see the light of day in London. I had better give this information in a private postscript. It should concern us very little what these gentlemen are going to put into their pockets; but the colony is very much concerned as to the amounts to be put to the credit of the mines as working capital. The Queen's Birthday, the North Birthday, King's Birthday, and Belgium and Perseverance (all at Dunolly) floated in London some time ago under the title of The Queen's Birthday United Gold Mines (Limited), is a worthy example of how good mines are treated by English companies. I state here as a fact within my personal knowledge that the water was never taken out of these mines. Yet the Queen's Birthday alone but a few years ago averaged 1000 ounces of gold perfortinght. Beyond pumping in fits and starts, when a few miserable pounds would come out to the manager, the company did nothing. In the liquidators' report I notice an item of \$211,673 5s. 6d. expenditure on salaries and wages paid at mines and general outlay on development of properties. Over and over again when the manager had just got the water out of the shaft, funds stopped coming, work ceased, and the labour and expenses of months thrown away; there being no alternative, through lack of funds to keep the pumps going. To say that mining operations were ever carried on to any extent by the mining better the companies.

late company is an absurdity. No fault can be found with either the mines or the manager. The gold is there still, and the manager made every honest attempt to get it out. Despite the fact that the Queen's Birthday has gone into liquidation, these properties will still he heard of, and the sum of £40,000, which the defunct company set down as the value of their asset, is the only statement in their balance-sheet which is likely to be accepted as truth on this side. The right horse should be saddled with the fault. Dunolly has been one of the richest fields in Victoria, and is still worthy of development in the deep ground. The Dunolly district is famous for nuggets, shedded from the rich reefs in the locality. The whole country lying between Dunolly and Wedderburn was more notworthy among the early mines than many fields which still revel in early history. Inglewood, Kingower, Berlin, Moliagul, Wedderburn, and Dunolly are still names to conjure by. Last week the matter was brought before the law courts of Victoria, on a petition by the English liquidator, for the purpose of preserving the assets of the company. Counsel who appeared for the petitioner asked for an adjournment until July, which was granted, as it was likely that an arrangement would be made with the company's creditors, and a reconstruction arrived at. tion arrived at.

tion arrived at.

A case of a comewhat different nature occupied the attention of the Warden's Court at Gippsland. A company known as the Clarkeville Gold Mining Company has been "shepherding" a valuable lease of ground near Bendoc. No work had been done on the ground, except by seven tributers from December 19 to February. Some parties who were willing to work it had resided on the boundary of the lease for five months, watching their opportunity to get evidence for forfeiture of lease. The Clarkeville Company deposed at the hearing that the mine had been placed on the London market for £75,000; £13,000 to be paid to the vendors and £10,000 to be expended at once in prospecting. An offer had been received from London favourable to the scheme. The company valued the machinery and improvements on the ground at £331 17s. 6d. the machinery and improvements on the ground at £331 17s,6d. The applicants for forfeiture valued the work done and improvements at £200, which sum they were prepared to pay.

The Warden has sent his finding of the Court to the
Minister of Mines for ratification to the following:—"That Minister of Mines for ratification to the following:—"That from the issue of the lease up to the date of inquiry the mine has not been worked in accordance with the provisions of the Act, but seeing that the last suspension only expired on March 4, and the applications for an inquiry were dated on the 4th and 7th of that month, he considered them to be rather premature. Should the Minister of Mines not coincide with this view of the matter, and declare the leases forfeited and given to the applicants who are prepared to comply with the provisions of the lease, the work done on the property is worth about £300." So says the Warden, and this is the best expert's report that can be published with the prospectus of this mine when it comes out in London. Some very rich finds have occurred in the vicinity of Bendoz, and on these leases Messrs. Barrett and Christensen, who were the applicants for forfeiture, are in the position of the American expert who was sent to see a famous mine, and who simply rethe applicants for forfeiture, are in the position of the American expert who was sent to see a famous mine, and who simply reported:—"I have seen your mine—let me into the deal." The applicants in the Clarkeville Mine need only say:—"Gentlemen—We have waited five long weary months by the side of this mine, waiting an opportunity for the deal. We now bring it to you." That is quite sufficient. I will vouch for the richness of the reefs on this property, but I have forgotten to say the Minister has not given his decision to date. The Chairman (Mr. A. G. Traill) of the Gippsland Mining Board is rather a thorn in the side of the department just now. Mr. Traillas got his eyes on all "shepherds" and "waiting brigades" in the Gippsland district, and will want to know the reason why! from the Minister, if the lease is not declared forfeited. I have written to Mr. Traill saying Bravo! If he will only send along a few more of such cases we may at least see this rich country a few more of such cases we may at least see this rich country

a few more of such cases we may at least see this rich country opened up during the present generation.

A rich find is reported from Alexandra, in the Beechworth mining district. A ton of quartz was taken out and crushed, and it yielded 27\forall ounces of gold. The quartz was not picked, and is said to represent a day's work. The Argus correspondent says they have only sunk 3 feet, and the width of the leader is about 11 inches, but widening as it goes down. Great excitement has been occasioned by a rush which has set in to the place. This following on a recent find of 10 ounces to the ton but a short distance away, will, doubtless, cause vigorous work to be undertaken.

Manganese Ors.—Manganese ore is found in Sweden under the form of pyrolusite, hausmannite, and braunite, and also as ferromanganiferous ore. The greater portion of pyrolusite is extracted from the neighbourhood of Bolet and also in Western Gottland, at various points in Smaland, in Dalecarlia, and also in Dalsland. In the first of these provinces the mineral is met with in fissures in the gneiss or granitic gneiss, or in contact with the latter and a red-coloured gneiss. The fissures generally vary from 5 feet to 10 feet in width, and they are filled with a composite substance in which holitie, mica, barytes, carbonate of lime, pyrolusite, and marganite form the cementing matters. The fissures, of which there are three principals, are about 765 yards long. The ore is first separated into hard and soft, the best soft ore containing between 53 and 61 per cent. of manganese content of the soft ore may be put at 53 17 per cent, and that of the hard ore at 48-98 per cent. The output of 1894 was 1636 tons. MANGANESE ORE .- Manganese ore is found in Sweden under 1894 was 1636 tons.

1894 was 1636 tons.

NAPHTHA INDUSTRY IN THE CAUCASUS.—The naphtha industry at the small town of Grosny, in the Terak district, is rapidly developing, and one large firm springs up after another. The necessary pipe for the conveyance of the naphtha to the nearest railway station, which is a distance of 84 miles, is being constructed, and the demand for Grosny naphtha increases every day. Of the four leading firms the largest is working six bore holes, but this number will ere long be increased; the second firm is working a couple of bore holes, and award other large and ambitantial firms couple of bore holes, and several other large and substantial firms are gradually getting into full swing. Further, the large firm of Nobel and Co. has bought several plots of land in the neighbour-

Pottished at the offices of Engineering, London, W.C.

### MEETINGS OF MINING COMPANIES.

EXPLORATION COMPANY, LIMITED.

N extraordinary general meeting of the shareholders in the Exploration Company (Limited) was held at the Cannon-street Hotel, on Monday, Sir Horage Farquhar, M.P.,

presiding.
The SECRETARY (Mr. Ernest C. Palbrook) read the notice con-

residing.
The SECRETARY (Mr. Ernest C. Pulbrook) read the notice consening the meeting.
The CHAIRMAN said: Ladies and Gentlemen—The notice consening this meeting has been read to you, and you have all received the diroular stating why I have the pleasure of addressing you to be considered to the consensus of th isg the way in which this amalgamation should be carried through. It has been necessary for us to consider the assets of each of the empanies, and these have been most carefully gone into. In doing a it has taken a considerable amount of time, as I have already sid. We have had the advice—not the professional advice, because it does not come exactly under the professional duties of an sidior—but we have had the advice of our auditors, Messrs. Poloite, Dever, Griffiths, and Co., and Mr. Griffiths, who is present, rill, I am sure, if you wish it, tell you that he went through the fets and the figures that brought us to the conclusion we have eas to, and that he gives it his cordial support, not only as a man dreat business experience, but also as one of our shareholders. (applause.) In submitting balance—sheets it has never been our ractice to give details of our assets, and for the best of good mators, that it has never been considered advisable that the nature of the many businesses in which we are engaged should be dgrate business experience, but also as one of our shareholders, deplaue.) In submitting balance-sheets it has never been our gratice to give details of our assets, and for the best of good maces, that it has rever been considered advisable that the nature of the many businesses in which we are engaged should be fraiged. We think it much better you should know what the mast of the business is than that we should go into detail as to be nature of it; and I am happy to say that at no moment have I set been in a position to state more emphatically that the result of the business has been most satisfactory. (Applause.) Under the distribution of the assets, and weighed most carefully the sparate claims of the three different concerns, we did so with a full incoving the value of these assets and the business that we see engaged in. You will, therefore, understand how very carefully we went into this amalgamation before we submitted it to you materd, as we do to-day. I have told you that all this has been arefully done, that we have submitted it to the auditors, and that it, Griffith has approved of it. I may also have the pleasure of sping that the business which is before us at this moment is of a next statisfactory nature. We also look forward with very great leps to the visit of Mr. Hamilton Smith to America. From all that whear he is working there very successfully in our interests, and we match the visit of Mr. Hamilton Smith to America. From all that whear he is working there very successfully in our interests, and we match the visit of Mr. Hamilton Smith to America. From all that whear he is working there very successfully in our interests, and we match the visit of Mr. Hamilton, which we have also very fine business, as I think you all know, in West Australia and Jes Zealand. At this moment great attention is being drawn to West Australia and Jes Zealand. At this moment great attention is being drawn to West Australia and Jes Zealand. At this moment great attention have the summary of the profits of the comma sairalian business, and, as we have profited much in co-operation with them, we have no hesitation in saying that we think the board topics strength by the accession of Mr. Herbert Gibbs to it. We have also secured the services of Mr. Gerald Dudley Smith, a latter in the well-known banking firm of Messrs, Smith, Payne, and Smiths, who act as our bankers. I have personally known not call all his partners, but also a generation before him, and I feel entain that his coming on the board will be agreeable to you all. (Applause.) There is another point, perhaps, which I should allude at this moment in connection with the board of management. It is this, that we have decided that each director must take an intest to the extent of 2½ per cent. in every business which is proped to the company. It is somewhat new here, but is very prepated to the company. It is somewhat new here, but is very prepated to the company. It is somewhat new here, but is very prepated to the company adopted in England it would be to the safet of the shareholders of most financial companies—indeed, not companies, because as you will well understand, it increases, possible, the care, we will say, of the board in undertaking business. meetings, and the shareholders being practically the same at each there was no need for him to repeat the remarks he had made upon being alled to in connection with the smallgamation of our business. It can only do what is most pleasing to every Chairman, and which I have had to do. I am happy to say, on several seasons when I have had the great satisfaction of addressing the barabelders of this company—namely, to congratalate you most bardly upon the result of the business we have had the pleasure to be offered to shareholders in the new company might be made by instalments. He thought that mode would be convenient to many of the shareholders.

Mr. RAWLINS (solicitor to the company) explained that it had already been provided in all the documents that the shares should be paid up on allotment, and it was now too late to alter that laren the chair at a moment when we were so prosperous, and let

me hope that I may be able to congratulate you again at no distant date on the successful working of a great amalgamated company. (Applause.) I have now to move:—(1) "That it is desirable to amalgamate the undertakings of this company with the undertakings of Transval and General Association (Limited), and West Australian and General Association (Limited), and that with a view thereto, this company be wound up voluntarily, and that Francis Alfred Lucas, James Rochfort Maguire, and Joseph Harry Lukach be and they are hereby appointed liquidators for the purposes of such winding up." (2) appointed liquidators for the purposes of such winding up." (2)
"That the said liquidators be and they are hereby authorised to consent to the registration of a new company to be named The Exploration Company (Limited) with a Memorandum and Articles of Association which have already been prepared with the privity and approval of the directors of this company." (3) "That the draft agreement submitted to this meeting, and expressed to be made between this company and its liquidators of the first hart. Transval agreement submitted to this meeting, and expressed to be made between this company and its liquidators of the first part, Transval and General Association (Limited) and its liquidators of the second part, West Australian and General Association (Limited), and its liquidators of the third part, and the Exploration Company, Limited (incorporated in 1896), of the fourth part, be and the same is hereby approved, and that the said liquidators of this company be and they are hereby authorised, pursuant to Section 131 of the Companies Act, 1862, to enter into an agreement with such new company (when incorporated) in the terms

pursuant to Section 131 of the Companies Act, 1862, to enter into an agreement with such new company (when incorporated) in the terms of the said draft, and to carry the same into effect with such (if any) modifications as they think expedient."

Mr. Francis A. Lucas said; Sir Horace Farquhar has gone into the facts so very closely that I do not think any words are necessary from me to supplement his very full statement. All I have to do is to second the resolutions put from the chair. I trust they will be carried unanimously, and of that I have very little doubt. I have no doubt, if any shareholder has any questions to ask, our Chairman will be happy to answer them, but I think from the full statement made by Sir Horace there is very little which requires further amplification.

amplification.

Mr. Rawlins, the solicitor, next explained the provisions of the

agreement.

Mr. J. H. SMITH said: I think, after the clear and lucid statement the Chairman has given to the shareholders, it must be self-evident that the resolutions which have been proposed are in our characteristics. evident that the resolutions which have been proposed are in our interest, and I am sure they will meet with our unanimous approval. I have spent some years in Australia, and have only lately returned, and I can assure my brother shareholders that the operations of a strong, powerful company, which this will be when the amalgamation is completed, will be practically unlimited. West Australia is just now in its very infancy, in an auriferous country extending over 1000 square miles. I can assure gentlemen here, if this corporation will extend its operations there, your profits will be immense. I rose only to say that this resolution has my cordial approval, and I am sure every shareholder in this company will be doing the very best for himself, if he cordially supports it.

The resolutions were then put and carried unanimously.

Mr. HALL: I have much pleasure in moving a vote of thanks to the Chairman. This company has been a great success, and with the amalgamation it will be much greater.

the Chairman. This company has been a great success, and with the amalgamation it will be much greater.

Mr. JOSEPH PARSONS, who seconded the motion, said; As to the amalgamation of the three companies, there can be but one opinion—namely, that it is most desirable as to the division of the assets. —namely, that it is most desirable as to the division of the assect and the apportioning of the new shares. We on this side of the table are quite unable to estimate what they should be. We are in the hands of the directors, but we feel we are in the hands of men of the strictest honour and integrity. (Hear, hear.) I, for one, am quite satisfied to leave the matter in their hands, believing that they will deal rightly and fairly all round.

The motion was agreed to.

The motion was agreed to,

The CHAIRMAN, in reply, said; I am sure we are extremely
obliged for the unanimous vote in support of the board, and also
for the very kind way in which it has been spoken to. I assure for the very kind way in which it has been spoken to. I assure you our services will be continued, and we will do our utmos\* to make the amalgamated company as prosperous and as successful as possible. I can only repeat that I trust the new company will be as prosperous as the three old ones have been.

Mr. RAWLINS announced that the confirmatory meeting would be held on June 16, and the meeting then terminated.

#### TRANSVAAL AND GENERAL ASSOCIATION, LIMITED.

An extraordinary general meeting of the shareholders in the Transvaal and General Association (Limited) was held at the Cannon-street Hotel, on Monday, under the presidency of Sir Hobacos FARQUHAR, M.P.

The CHAIRMAN said: Gentlemen—We have just held a meeting of the Explantic Company of the Property of the Property

The CHAIRMAN said: Gentlemen—We have just held a meeting of the Exploration Company, and I think that most of you were present at that meeting, for I see very few fresh faces. However, I will make a few remarks with reference to the proposed amalgamation, though I may be somewhat more brief than at the first meeting. The principal reason, as I have already stated, for the amalgamation of the three companies—the Exploration Company, the Transvaal and General Association, and the West Australian and General Association—is to overcome the great difficulty that we have experienced in reference to the many proposals for business which we have accepted in dividing them among the three companies. We found that, with a very largely increasing business, it became every day more difficult to do this, and under these circumstances, and considering also the great advantage that we believe will accree

day more difficult to do this, and under these circumstances, and considering also the great advantage that we believe will accrue from our having one large consolidated capital, we made up our minds that we would propose to you that these three companies should be amalgamated into one large consolidated company. The Chairman then made a similar statement to that made to the Exploration Company, and concluded by a series of resolutions to the same effect as those passed at the meeting of that company.

Mr. F. A. LUCAS seconded the resolutions. He remarked that a shareholder at the Exploration meeting stated what he knew about Australia, He (the speaker) knew nothing about Australia, but he did know something about South Africa, and he must say that what the Transwaal and General had done was to him astonishing. He had a letter in his hand, received that morning, which, as showing the profits that were being made, stated that even in landed estate the company had bought only a year ago some properties for £8000, which they had sold for £23,000. He merely gave that as one instance of probably very many of the great profits the company had made.

The resolutions were carried nem con.

#### WEST AUSTRALIAN AND GENERAL ASSOCIATION. LIMITED.

An extraordinary general meeting of the shareholders in the West Australian and General Association (Limited) was subsequently held, Sir H. FARQUHAR again presiding.

The CHARMAN moved a series of resolutions similar to those carried at the meetings of the Exploration Company and the Transvaal and General Association. He remarked that having explained the reasons for entering into the proposed amalgamation at these meetings, and the shareholders being practically the same at each, there was no need for him to repeat the remarks he had made upon the soheme.

Another Shareholder asked what would be the proportion in which the Sulphide shares would be divided.

The Chareman replied that as there were 100,000 shares to be distributed amongst the holders of 200,000 shares, the proportion would be one Sulphide, share for every two—that, of course, amounted to 100 year share.

The resolutions were then carried unanimously, and the pro-

#### LAKE VIEW AND BOULDER JUNCTION GOLD MINES, LIMITED.

The statutory meeting of the shareholders in the Lake View and Boulder Junction Gold Mines (Limited) was held on Tuesday, at the Cannon-street Hotel, Mr. JOHN McDONALD (Chairman of the company) presiding

The SECRETARY (Mr. J. Durie Pattullo) read the notice convening

The SECRETARY (Mr. J. Durie Pattulio) read the notice convening the meeting.

The CHAIRMAN said; Gentlemen—This company was formed in February last, with a capital of £150,000, for the purpose of acquiring and working about 101 acres of gold-bearing land in the Kalgoorlie district of Western Australia. The leases were duly acquired, and have been properly transferred to this company. They lie to the north-west of the Great Boulder, the Ivanhoe, and Lake View, and other well known properties in the Kalgoorlie district. Since this company took over the leases we have not had much opportunity of developing them with that energy which we intend to exercise in future, and which we have every expectation of doing efficiently. Many of you may not be aware that we secured the services of that well-known engineer, Mr. George Gray, on the occasion of his recent visit to this country, to take charge of our property. He returned to Kalgoorlie, and on the 26th ult. we had a cablegram from him staying that on Saturday last he would be at our property, and would examine the mine, and, after full examination, would send us a cablegram. Unfortunately, we have no cablegram from Mr. Gray to the present moment, but no doubt we shall have would send us a cablegram. Unfortunately, we have no cablegram from Mr. Gray to the present moment, but no doubt we shall have that cablegram very soon, and immediately it comes to hand it will be published through the Press. In the meantime, I may inform you that the development has been carried on under the direction of one of Mr. Gray's managers at Kaigoorlie, and although the time has been too short to hear from Mr. Gray with regard to the matter, we may feel quite certain that our business is being properly attended to. A cablegram was received by a firm in London connected with the vendors of the property to our company on May 7, which runs as follows:—"Mine looking well; struck two separate reefs beside Lake View showing gold; expect to locate Great Boulder lode by 80 feet further crosscutting." That was on the 7th ult., but it will be interesting to know whether Mr. Gray, when he sends us a cablegram, can endorse that statement. I have no doubt that he will be able to do so. You have, no doubt, observed from the prospectus that the cash working capital of the company was £30,000, with a reserve capital of 20,000 shares. Although £30,000 cash working capital may be considered a very fair amount in lead in comparison with many other West Australian companies, your directors thought it would be advisable, as early as possible, to increase the working capital, by turning some of the 20,000 reserve shares into cash. We had the opportunity some little time ago of doing so, and took advantage of it, and we have placed 5000 shares at ½ premium, and we have given an option on 5000 more shares at ½ premium, and we have given an option con 5000 more shares at ½ premium. That option will expire in the course of about three weeks. We expect by that means to have a further addition to our cash working capital of £11,875, which will make our total cash working capital £41,875. There can be no doubt in the mind of anyone who has a knowledge of the working of mining companies that you should have an abone from Mr. Gray to the present moment, but no doubt we shall have There can be no doubt in the mind of anyone who has a knowledge of the working of mining companies that you should have an abundance of working capital. A time may come when you may want to erect machinery, and may not have the money to provide for it. If you go to your shareholders you may provide the money, but the price of shares may come down, and the shareholders object to that. With regard to the balance of 10,000 shares of working capital, wor directors at the present and the shareholders object to that. With regard to the balance of 10,000 shares of working capital, your directors at the present time do not propose to deal with those shares. The property, as you are aware, is a large one, and consists of 101 acres. Your directors have not decided as to the formation of any subsidiary companies, but it is a question which, at an early date, they will take into consideration. I am very sorry that we have not any further information to give you to-day, but you must bear in mind that since we took over the working of the property, a very short time has elapsed. I trust on the next occasion that we meet we will have a better account to give you of our working—such an account as you will approve of. If any shareholder wishes to ask any questions, I shall be glad to answer them. I may mention that we expect to receive approve of. If any shareholder wishes to ask any questions, I shall be glad to answer them. I may mention that we expect to receive fortnightly reports from Mr. Gray, and to get a cablegram occasionally when there is any matter of importance to cable about, and we intend to have these published in the newspapers directly we get them. Anything of very great importance we will send to the shareholders by circular.

Mr. Young proposed, and Mr. G. N. WYATT seconded, a vote of thanks to the Chairm: and directors.

The CHAIRMAN briefly replied, and the meeting terminated.

#### ARMADALE GOLD MINING COMPANY, LIMITED.

The statutory meeting of the shareholders in the Armadale Gold Mining Company (Limited) took place at the Cannon-street Hotel, on Monday, Colonel F. C. KEYSER, C.B., presiding.

The SECRETARY (Mr. E. M. Robertson) read the notice convening

The CHAIRMAN said: Gentlemen—You are called here to-day to attend what is called the statutory meeting of the company—a meeting which is bound to be held within four months of the forms meeting which is bound to be held within four months of the formation of any Limited Liability concern. It is unusual on these occasions to give more than a bare outline of facts connected with the
floatation and launching of a company of this discription, but I
think, considering the great success we have met with since the
taking over of the property, and bearing in mind that this mine was
in a higher state of development than most mines are when submitted to the public, it is due to you that I should give you further
particulars of what has been done, what is being done, and what we
have to accomplish in the near fature. This convents went to hepe to accombiels in the near fature. This company went to allotment on February 20 last, and, as I dare say you are already aware, the necessary working capital was subscribed in full. The legal formalities connected with the transfer of the property were completed on April 6, and your directors carefully assertained that everything connected with the transfer is correct and in order. According to the terms made with the vendors, 25 head of stamps were taken over with the property, but prior to this machinery being sent to Australia, two of our directors (one of whom, I may state, is an engineer by profession, and therefore fully qualified to report upon such matters) went to Grantham to inspect the whole of the plant before it left the makers' (Messre. Hornsby and Sons) workshops. They suggested a few trifling alterations and additions, which, I am pleased to say, met withapproval and prompt action on the part of the Western Australian Development Corporation—our respected parent. This machinery is now in Australia, and we hope that it will be in full working order very shortly. All delay caused in erecting it is on account of the block on the newly-opened railway to Coolgardie. However, our Mr. Frank Nicolas has made every effort to obtain the necessary transport, and I think has been successful in obtaining a promise of sufficient tracks to carry the whole plant to the mine within the next month, and I trust that his anticipa-According to the terms made with the vendors, 25 head of stamps to the mine within the next month, and I trust that his anticipa-tions that "a dividend could be declared within a month of start-ing the full strength of the battery" will be realised. The mine, as you will have seen from the mine manager's fortnightly reports which have been regularly communicated to the papers, is exceptionally well developed, and there is a quantity of ore at grass waiting for the mill; the crushing has only been delayed by the want of transport for the machinery, as I mentioned just now.

given to understand that there is enough ore at grass and in sight to keep the battery going for many years. We might have had a to keep the battery going for many years. We mi srial crushing with a hired mill near the mine, but as trial crashing with a hired mill near the mine, but as that particular mill is very much worn, and not suitable to the soft ore characteristic of our mine, we thought it adviable to wait until we could use our own plant and so obtain the best possible results. I should tell you that although the property had been most favourably reported upon for the vendors by no less than five experts—namely, Dr. Charles Chewings, F.G.S., Captain Charles Trascott, M.E., Mr. A. Octavius Watkins, A.R.S.N., F.G.S., Dr. H. A. Ellis, Mr. Frank Nicolas, M.I.M.E., not one of whom we had the slighest reason to don't still your directors who. I may here state, have taken Nicolar, M.I.M., Boy of the control who, I may here state, have taken avery precaution and have done everything in their power to protect the shareholders' interests, decided not to hand over the purchase consideration to the vendors until they had secured an independent report on the mine. So, accordingly, through the company's solicitors, Mesers. Francis and Johnson, the services of Mr. F. C. B. Vosper, understand, is a very eminent engineer of high repute who, I understand, is a very eminent engineer of high repote in West Australia, were retained. This expert made an exhaustive report—I am afraid too long and too full of technical descriptions for me to read in full—in which he expressed himself extremely pleased with the Aroadale leases, and confirmed in every detail the reports of the other experts. He said that the mine had been opened up throughout in a thoroughly workmanlike manner, and that the exploratory work was of a nature to reflect the greatest credit now those engaged in its development. In conclusion he added that the exploratory work was of a nature to reflect the greatest credit upon those engaged in its development. In conclusion he added — I quote his own words—"After a very thorough examination of your mine and careful testing of the ore from several parts, I have arrived at the conclusion that you have a valuable property, though not a sensational one, and that with economic work dividends could be paid on ore yielding 7 dwts. to the ton. I believe that your average milling return will be I onnee to the ton, and such being the case, the large lode and unrivalled facilities as regards water and position should enable your mine to yield excellent profits on the capital invested." It is most pleasing to note that the mail reports, which we have received from time to time from our talented and pains. e have received from time to time from our talented and pains taking consulting engineer, Mr. Frank Nicolas, in whom, I ramark, your directors have the greatest confidence, and remark, your directors have the greatest confidence, and who is working very hard to make your property what he himself calls it, one of the most important in West Australia, thoroughly justify the opicious given by Mr. Vosper and the other engineers. The wonderful width of the lodes—namely, 20 feet—is maintained, while the assays from the various parts of the mine keep up the average of from 20 dwts. to 30 dwts. to the ton, and the indications strongly point to an improvement as further depth is attained. I may also mention that an eminent engineer was decuted by a foreign point to an improvement as further depth is a talled.

mention that an eminent engineer was deputed by a foreign
Government to inspect the leading mines in the Coolgardie district,
and we are to be congratulated that the name of our property was and we are to be congratulated that the name of our property was one put forward (unknown to us) for his personal inspection. We are still further to be congratulated, although his report has not been made public, that I am in a position to state that it is of a highly satisfactory nature. Now we come to one of the most vital highly satisfactory nature. Now we come to one of the most vital questions in working any mining property of this description—mamely, water. In his early reports, Mr. Nicolas advocated the building of a dam with pumping plant as absolutely necessary; but since those reports, a cable reached us on May I announcing the fact that water had been struck in the mine, and this was confirmed it. a letter received this morning, the depth being 114 feet. This represents a saving to the company of some thousands of pounds. All difficulties connected with water failure, so far as we are able to judge, are now surmounted, and this luck; water strike practically places a few more thousand pounds at our disposal for working capital. It is never safe to prophesy unless you know, and no one can know what the future of a mine may be until know, and no one can know what the future of a mine may be until after the trial crashings; and from many independent sources, from the painstaking work of our Mr. Nicolas and Mr. Welch, the mine manager, and from their carefully guarded and business worded reports, it is clear that the market value of our property is a safe investment, likely to increase in the near future. Those of you who follow the prices by taking in the financial papers must be well aware that whenever a quotation of this company's shares has been made they have always stood at a premium. Looking at the prices quoted to-day, they stand at 1-16 to 3-16 premium. This is a good omen for the company, and it must be satisfactory to the sharehe company, and it must be satisfactory to the share-know that their investments are not at a discount. It is notices to know that the first new man and the answer in London at the intention of the directors to keep expenses in London at nominal figure, and reserve their resources to the further systematics. nominal figure, and reserve their resources to the further systematic development of your property. I hope that what I have told you will send you away pleased and happy in the possession of a property which is bound to produce good results, and that you will all be eatisfied with the statements I have put forward to-day. Any questions which may be asked by any of you I will do my best to answer, I hope, to your satisfaction. (Applause.)

Mr. BAWLE: I think, Mr. Chairman, your speech has covered the whole of the ground. There were one or two questions I had in my mind to ask you, especially about the size of the lode, the water, and the trial crashings. I think you have anticipated them, as far as I can see, in a very satisfactory manner, and it is a great pity

as I can see, in a very satisfactory manner, and it is a great pity there are not more of the shareholders present. At the same time, there are not more of the shareholders present. At the same time, those who are present I think will concur with me in affording the directors of this company our hearty congratulations on the good development and working of the mine, and I sincerely trust that when you are in that position that you will favour the shareholders with the dividend, which your consulting engineers premised, in the near future. (Applause.) I beg, therefore, to propose a vote of thanks to the Chairman and directors. (Applause.)

Mr. C. J. THOMAS: I shall be very happy to second that. The statement made has been very satisfactory to the shareholders, and I can only hope that the indications of the mine will be fully borne out. (Applause.)

The resolution was carried unanimously.

resolution was carried unanimously. The CHAIRMAN, in reply, said: I have only to thank you for so kindly listening to me. No effort or trouble on the part of your directors will be wanting to make the mine a great success. I may ons will be wanting to make the mine a great success. I may nat we are all personally interested quite as much as you are, old as many shares, if not more, than any of you; therefore, is your interest is doubly ours. (Applause.) I think before it we ought really to pass a vote of thanks to Mr. Nicolas, our I am sure his energy and belief in this mine is credibility. He encouraged us when he was over mining engineer. I am sure miscrergy and density in this miner the base where and I am sorry to say that, had it not been for the very base. peived about him, the machinery might have been got up been we received address that the ago he was attacked with typhoid fever. He has been very ill indeed, and he is now slowly recovering; but whilst in that state it was impossible m to use his influence on the railway company in order to get ty of choice for this company in the matter of trucks. Had en well, I am certain that before this the machinery would rivad at the mines. I think we might pass a vote of thanks to Mr. Nicolas for his hard work in the past, and of sympathy with him in the very severe illness he is just recovering from. (Applause.)
Mr. RAWLE seconded the motion, which was agreed to, and the

#### ANGLO-COLORADO EXPLORATION SYNDICATE.

The statutory general meeting of the Anglo-Colorado Exploration Syndicate was held on Monday, at Winchester House, Old Broad-street, E.C., under the presidency of the Chairman, the Earl of

The SECRETARY (Mr. G. R. Saunders) read the notice convening

The CHAIRMAN said: Gentlemen-In pursuance of the Act of The Chairman said: Gentlemen—in pursuance of the Act of Parliament which provides that every company which is incorporated must have its statutory meeting within four months of its incorporation, we call you together to—day. As a rele these statutory meetings are purely formal, for the simple reason that in four months, as a rele, there is very little done at all, but I am happy to be able to tell you to-day that our processings will not be purely

formal, as during the three months that we have been at work in Colorado we have made considerable progress with all our mines. As you know by the prospectus, we are not a gold mining company. We are simply formed, as it says here, for the purpose of carrying on, amongst other things, the business of exploring for and developing gold mining claims and properties in Cripple Creek, Colorado, and elsewhere, and for the purchase of options and concessions of mines, and flusting them as subsidiary companies. The reports that mines, and flusting them as subsidiary companies. we have had from our managing director, or rather our mining engineer, Mr. Moore, have been excellent, and a syndicate has taked up all the original options with the exception of the Croxton, Writing about the Croxton, Mr. Moore says: "I regret to say that lopments in this p pments in this property do not justify me in advisi to pay anything like the sum of money demanded i claim." So that acting on his advice, we have practically abandoned that claim for the present. With regard to the Eclipse, which Mr. Moore thinks very highly of indeed, I might read you a few extracts from his report. "The main vein is situated near the west end of Moore thinks very highly of indeed, I might read you a few extracts from his report. "The main vein is situated near the west end of the claim. Thus far it has been developed by a crosscat tunnel, and a level 160 feet long with the stope raised therefrom, of 150 feet in length to a height of 26 feet, and two winzes sunk from the floor of this level to a depth of 35 feet and 90 feet respectively. The top of the water standing in the 90 feet winze is at a depth of 43 feet below the floor of the level, consequently no exploration can be made in the lower portions of this winze until the new working shaft is complete i to a sufficient depth, and a crosscut run therefrom to intersect the vein under the bottom of the winze and thus drain the tersect the very mater the bottom of the winze and thus drain the same." I am glad to say in this connection that the work so far has been completed, and they have gone on to 150 feet with the shaft, and all they have to do is to crosscut, when we must strike the vein. The assays from the Eslipse vary. They run as high sometime 18 cances, but the approximate average is about 3 cances to ton, or £12 to the ton. The Eclipse we hope to be able to float in months' time as a separate company, Now !
left it to the last—t > the bonne bouche of the that is the Rigi. The Rigi, as you know, is situated next to those well-known mines, the Great Portland and the Independence. The Independence is a mine of itself of most extraordinary value was reading an account the other day, in which it was stated t this mine produced £20,000 a month to its fortunate owner, who ago had not a shilling in his pockets. Over £600,000 ported to be blocked out in the Independence. To the of the Rigi is the Last Dollar vein, which, during the reported to north side of the Rigi is the Last Dollar vein, which, during the last year, has taken out about £100,000 of gold. The same vein continues through the Rigi and the Last Dollar. It has been traced for 1½ mile north and south, and ore is being extracted from it all along. Both the Great Portland and the Independence Mines have been developed for three or four years, while the Rigi has only been developed for three to six months. There is a shaft on the Portland 900 feet deep, and one in the Independence 600 feet deep, which proves the permanency of the mines in the immediate neighbourhood. We at present have gone down 145 feet, but we hope in time to get down to the lower of the mines in the immediate neighbourhood. We at present have gone down 145 feet, but we hope in time to get down to the lower depths. During the last three months—and this is from the report we have had—"We have been sinking and timbering this mine, and working the main shaft to a depth of 145 feet, and we have been drifting towards the vein 17 feet." But, according to a cable received, drifting towards the vein 17 feet drifting towards the vein 17 feet." But, according to a cable received, we have not yet quite reached the vein; we hope to do so in a very few days. This is the same vein which has been proved in the 43 feet level and the 67 feet level. In both levels drifts along the vein have been run 30 and 40 feet respectively, and in these levels pay ore is shown on the roof, floor, and both ends. The assays taken varied from 1 cunce to 7 cunces, and in one case to 259 cunces; and it is from these levels that the shipments of ore hereinafter mentioned have been raided drive, the last mostly. We have just received a later have been made during the last month. We have just received a later cablegram from Mr. Moore, which arrived yesterday, saying that while extending the drift, 43 feet level, he came on a streak of ore inches wide, which assayed 23 ounces to the ton, the vein itself varying from 1 to 3 feet. That, you may imagine, is marvellous, 23 ounces to the ton means a large fortune if we can only get enough of it. In order to test the value of the ore that we have in the Rigi, we it. In order to test the value of the ore that we have in the Rigi, we sold 33 tons the other day, and it averaged about £14 per ton net, which I think you will consider very satisfactory. This is the Rigi Mine which we intend to bring out as a company very shortly, when we have still further tested the property. It was not quite big enough to float by itself, so our managing director has acquired the option of three others, to float with it—namely, the Lizzie May, the Yucatan, and the Lulu. I think you will agree with me that the work done has been fairly satisfactory. This I put down to two causes—one is that we have had a very good basis to work on, and the other is, we have two most capable men, on whom we thoroughly rely. One is Mr. Moore, the consulting engineer there, and the other is my friend Baron von Richthofen, whom I think you all know personally. He was telling me the other day that he had made up his mind that this business shall go through, and he added that when he once made up his mind to do a thing he never looked back, or once made up his mind to do a thing he never looked back, or felt any stone unturned to make it a success. Those are very hope-ful words, and I hope his prophecy will come true. If so, we shall have to thank him for what he has done out there, and for the labour he has bestowed in preparing the documents and deeds.
While on the subject, I may say our titles are perfectly good. They have been examined and found correct. They are all freehold titles with the exception of the Contention reef, which our solicitors are with the exception of the Contention reer, which oor solicitors are at present procenting from the United States Government. One word about the position of our properties. They are situated, as you know, in Cripple Creek, in Colorado, Cripple Creek is about 80 miles from Denver, and 20 miles from Colorado Springs. In most of these gold mining centres of the world they labour under one great disadvantage, and that is the extreme difficulty of transport. Cripple Creek is not a disadvantage and I has no one great disadvantage, and that is the extreme dimonty of transport. Oripple Creek is not so disadvantageously placed. It has no less than two railways running right through it, and a third one is in course of completion. It is also connected with all the chief places of the world by telegraphs and telephones, so that it is the very acme of a place where you can work a gold mine with the greatest advantage. About five years ago Cripple Creek was, more or less, an uninhabited ranche, but it has now about 30,000 inhabitors and lest twen the output of gold was \$1,500,000, whilst in habitants, and last year the output of gold was £1,600,000, whilst in 1891 it was only £40,000. Last year Cripple Creek itself produced one-sixth of the whole output of gold in the United States. America as a gold mining country compares very favourably with the other great centres of the world. In 1895 the Rand mines produced 2,277,635 ounces, Australia 2,000,000 ounces, Russia 1,495,320, and the United States 2,152,877 ounces; so that you see, although the Colorado and the Cripple Creek mines are, more or less, in their infancy, they yet produced within about 100,000 onness as much as the Rand mines, which are supposed to be the greatest gold mining centres in the world. Among the criticisms which I have lately read in regard to Cripple Creek was one in which the writer said:— "Cripple Creek to-day is, beyond cavil, the richest fissure vein district in the annals of gold mining. The fortunes distributed amongst the many are small compared to those which will be made in the course of the next few years." I think we have the promise of a great future before us, and I must say I shall be bitterly disappointed—not only grievously disappointed, but extremely surprised—if that promise is not fulfilled. We all know that we must not be pointed—not only grievously described. We all know that we must not fulfilled. We all know that we must not songoine. We all know that Rome was not built in a day. all know that the fortunes of the Anglo-Colorado Exploration Syndicate will not be built in a day; but, when once Rome was built she flourished and she prospered. Let us hope, gentlemen, that the Anglo-Colorado Exploration Syndicate will do likewise.

(Applause.)

Mr. GLOVER asked whether the Chairman could give any infor-

Mr. GLOVER asked whether the Chairman could give any infor-mation as to the width of the fisure veins.

The CHAIRMAN replied that at the Rigi Mine, 43 feet in depth, the first crosscut was 10 feet in length, and the vein was 11 feet in width at that point, and at 67 feet level the width of vein was 5 feet.

Mr. J. A. GARLE said that there was no doubt whatever that they had facilities in Oripple Creek which would enable them to show very good results very shortly to all their shareholders.

Baron von Richtoffen, in answer to Mr. Glover, said that the expenses of working the mine depended greatly on the hardness of

the rock, and on the depth at which the mine was worked. At the depths which they were working their mines the expense ought not to exceed more than 1½ to 2 dwts. per ton for the extraction of ore, but in addition to that there was the treatment of the ore, which was a different thing. The Cripple Creek ores were of a refractory character, and they had to be sent to smelters and treated by rather an expensive process. of a refractory character, and they had to be sent to smelters and treated by rather an expensive process. That cost them about 8 dwts. per ton, so that besides working and treatment by smelter, and the charge of hauling to the railway, the whole expense per ton would run up from 12 to 13 dwts. Therefore, anything above 13 dwts, per ton would bring a profit. In the Rigi they had an exceptionally rich mine, the average value of the ore being over 4 ounces to the ton. (Applause).

On the motion of Mr. DOWLING, seconded by Mr. de Fairs, a vote of thanks was given to the Earl of Essex, the directors, and Mr. C. J. Moore, the consulting engineer.

The CHAIRMAN briefly acknowledged the compliment, and the proceedings then terminated. be sent to smelters and That cost them about

#### KINSELLA GOLD MINES, LIMITED.

The first ordinary (statutory) general meeting of the Kinsella Goll Mines (Limited) was held on Tuesday, at Winchester House, Oll Broad-street, E.C., Mr. NICOL BROWN (the Chairman of the

SECRETARY (Mr. H. A. Hedley) read the notice convening the

The CHAIRMAN said: Gentlemen—As you are aware, we have no pecial business to put before you to-day, but merely to comply with the Act of Parliament that a meeting must take place for the after the registration of a new company; and as our company. months after the registration of a new company; and as our company has been reconstructed, we are now in that position. All the documents connected with the transfer of the property have been sent down to the office of the Minister of Mines, at Porth, for registration. The new company was registered on February 5, 1896, The capital of the new company is £100,000. The shares offered to shareholders in the old company (15, reid up.) at the old company (15, reid up.) at the The capital of the new company is £100,000. The shat to shareholders in the old company (15s, paid up), at the share per share, amounted to £80,349, of which there is taken up:—1. By shareholders in the old company, £76.083; 2 By guarantor, £452; 3. Shares in Australia not yet applied for, £3300—£80,340; shares held in reserve, £19,660; total, £100,000. The cash realised (4\*, per share on 76,540) amounted to £15,308; from Mines Selection Company, £30 10.; balance of liquidator's account, £196 9\*, 10 1.—£15,534 19\*\*, 10d. The loan to the Mines Selection Syndigate has been remaid with interest amounts. £196 9a, 10 1.—£15,634 19s. 10s. The loan to the mines Selection Syndicate has been repaid with interest amounting to £51393s, 4d.; since then we have remittled cash to the mine, and paid for sapplies and other current expenditure, £1413 1s. 6d.; in all, £6552 4s. 10 1. This leaves an available cash balance of £8982 15s. £6552 4\*. 10 1. This leaves an available cash balance of £3932 15s. There is 1s, per share uncalled on 76,540 sharer, which amounts to £3827. This makes a total available and prospective balance for working capital at present of £12,809 15s. In addition to this we have 3800 unisseed sharer, held in Australia, not yet applied for; and in reserve 19,660 shares at £1 each. The first use to which the money that we have now obtained will be put will be to sink and develop the mine thoroughly. The only outlay on plant account will be the money required for pumping machinery, suimated to be about £2000. In the meantime the mine is sufficiently well equipped for the amount of ore which we are taking from it. You will hear later on from Mr. Frecheville a statement of the amount of work done on the mine, which is very small indeed and amount of work done on the mine, which is very small indeed, and ry vigorous policy of opening up the mine will be at once ed as soon as our new manager arrives out. that the vein extends through our property for a distance of 2700 feet, on which ore has been found at intervals on the surface; the work, so far, only extends for a distance of ab eferring to the statement that I made in October underground work, so far, only extends for a distance of about 900 feet. Referring to the statement that I made in October last to you of the expenditure of a capital of £20,000, the total expenditure to date is as follows:—From commencement to date of liquidation—plant, £12,117 14s. 6d.; mining, £7141 17s. 5d.; general charges, £2692 16s. 1d.; London expenditure, £1880 8s. 6d.; purchase of Hidden Treasure, £1000; l'quidator's expenditure to end of April, £4076 3s. 4d.: London expenditure, including shipment, £713 1s. 6d. Less amount derived from gold sales, &c., £6261 18s. 4d. Total, £23,698 13s. 3d. In this connection I have to point out the very heavy carriage incurred in sending the machinery from Geald Total, £23,698 13. 3d. In this connection I have to point out the very heavy carriage incurred in sending the machinery from Gerald Town to the mine, which amounted in all to £3268. As the railway is being pushed rapidly forward, it is clear that future expenditure in this way will be enormously reduced, and by the time that the mine is fully developed we hope that the railway will be finished, and thus enable us to send the rest of the machinery at a moderate rate of carriage. The average cost of mining for six months ending February, 1896, including hauling, sinking, driving, stopieg, and general charges, amounted to £1 13s. 5d. per ton; milling, 16s. 3d. per ton; in all, £2 94, 3d. per ton. The cost of doing the same work for the month of March, 1896, was:—Mining, £1 11s. 5d.; milling, 9s. 9d.; in all, £2 1s. 2d.; so that you see our costs are being substantially decreased as we proceed. What we hope for now is an improvement in the value of the ore taken from the mine. I will now call on Mr. Frecheville to read his report.

Mr. Fracchevitle. said: The main shart has been sunk to a depth of 120 feet, and the lode has been crosscut at 100 feet. Sinking

of 120 feet, and the lode has been crosscut at 100 feet. Sinking was stopped after cutting the lode on account of the great influxof water, but as time went on the accumulation of water is the groud was removed, and the supply running into the shaft became notably less, and the attempt is now being made to sink the shaft deeper with the winding engines. If this attempt does not succeed, paming engines will be required to sink the mine deeper. The work in the mine has been carried on at two levels, the 43 feet level and the 100 feet level. At the 43 feet level the work has extended along the vein for a distance of about 900 feet, and has exposed about 450 feet in length of lode, averaging about 5½ feet wide, which it was supposed would give about 1 ounce to the ton. The crushing, however, from this lode have not come up to that, the average yield on the plates having been about 10.2 dwts. of bullion, equivalent to 9 dwts, of fine gold per ton of ore. How much is lost in the tallings we cannot at present state with exactness. We were informed, when the earlier crushings were going on, that the loss was about 6 or 7 dwts. Since then we have been informed that the loss is much less, but at present we cannot give exact figures on this point. The ends of the drive 43 feet are being extended north and south on the lote, and it is hoped that more quartz of payable character will be accorded as a total and the loss of the drive 43 feet are being extended north and south on the lote, and it is hoped that more quartz of payable character will be accorded as the state of the drive of the state of the drive of the state of payable character will be accorded to the state of the drive of the state of payable character will be accorded to the drive of the drive water, but as time went on the accumulation of water in the ground the lole, and it is hoped that more quarts of payable character will be opened up. At the 100 feet level the drivage on the lode was be opened up. At the 100 feet level the drivage on the lod extended about 190 feet to the north, when a crossout wathrough the lode, which was found to be about 15 feet wide, a the eastern, or hanging wall side, a streak of 18 inches to 2 feet was found, which is reported to be worth about 10 dwts, per tes. The eastern streak, or make of quartz, and we are informed that the ore from here is going through the mill, and apparently has been toroing out fairly well: The drive to the south on the lode at the 100 feet level has been extended about 377 feet. The lode for the inued for the last t whole of its distance has been poor. It has been discovered, however, that the make of quartz worked above in the 43 feet level is distinct one from that on which the south drive has been carried at distinct one from that on which the south drive has been carried.

100 feet, as a winze have been put down from the 43 feet level, and has gone down some 6 feet to the east of the drive at the 100 feet level. In the bottom of the winze, however, the quartz was ploabed out, so that at present the south drive at the 100 feet is being continued on the poor lode, and the ground to the east will doublest be proved from time to time by crosscots. The ore milled has been taken in about equal quantities from the north and south drives at the 43 feet level, in each of which drives there are back tones of about 100 feet in length, enjoying up towards the sufface. drives at the 43 feet level, in each of which drives there are back stopes of about 150 feet in length, going up towards the surface. The manager has been instructed to push on the development werk as rapidly as possible, and also to sink the mine deeper. There are two notable points which are worthy of being brought outstrongly in connection with the work so far done; one is that the working gipenses for the last few months, with ten stamps running, one is about 11 dwts. of builton per son, including mining, milling, and

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#### GOLD ESTATES OF AUSTRALIA, LIMITED.

The first ordinary general meeting of the shareholders in the gold Estates of Australia (Limited) was held on Tuesday, at Win-meeter House, E.C., Mr. Dyson Weston (managing director) pre-

said Estates of Australia (Limited) was held on Toscaay, at windester House, E.C., Mr. Dyson Weston (manging director) presiding.
The SECRITARY (Mr. J. G. Coldwells) read the notice convening issuesting.
The CHAIRMAN said: Gentlemen—It is very satisfactory to missue, been able to earn such large profits as are shown in the report of a state of the convening of The SECRETARY (Mr. J. G. Coldwells) read the notice convening Talkable property we believed it to be, though up to the present the only three out of the eight claims (or say about 56 out of a ball of 132 acres on the main line of reef) have been operated. The mine on the Friday claim is opened up to a depth of about 500 feet. There is some 10,000 tons of quartz ready for sending to the mill, varying in value from 2 ounces 1000 tons of the counces of the council of the mill, warying in value from 2 ounces 1000 tons of the counces of the council of the counci

THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE.

The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is that an abundance of wax for the circumstances. The other point is the finance of the circumstances. The other point is the standance of wax for the circumstances. The other point is the circumstances. The other point is the finance of the circumstances. The other point is the finance of the circumstances. The other point is the finance of the circumstances. The other point is the point of the circumstances. The other point is the finance of the circumstances. The circumstances of the circumstances. The circumstances of the circumstances. The circumstances of t companies, and we have joint ventures now in hand. We are large shareholders in the Octagon Explorers (Limited), and as that company's affairs in Australia are directed by men of long and successful colonial mining experience, there is little doubt that the profits made under their management of the Octagon Syndicate will be repeated under their management of the explorations of the New Octagon Company. Now that the West Australian Government are pushing the railways forward to Menzier, Hannan's, and other mining camps, the cost of supplies and labour will be considerably reduced, and, with the increased number of batteries crushing at the different minzs, the gold output must increase by leaps and bounds, and the public will become convinced of the enormous wealth of the great gold field of Western Australia. I now come to the matter of the next dividend. We consider that our profits for the first five months of the present year will compare very favourably with the average of the past year's onsider that our profits for the first five months of the present year will compare very favourably with the average of the past year's profits—and that without calculating the increase in value of our landed estates. The unrealised shares comprised in the balance carried forward on December 31 were valued at very low figures, and considerable realisations have since been effected at greatly enhanced prices. Your directors have, therefore, decided to pay, on July 1, an interim dividend for the current half-year of 3. per share on the fully paid shares, and 1. 6d. per share on the 10s. paid shares, being at the rate of 30 per cost. per annum. (Cheers.) You can understand that it is generally more profitable for the company to take its promotion money in the form of fully paid shares in the companies it floats, but time must necessarily be allowed for the realisation of such securities before the cash proceeds can be distributed may represent only a small portion of the total profits inclusive of unrealised shares. For many reasons it is not advisable to publish too many details of our business; th refore, shareholders will understand that it is in their interests that the accounts are presented in a condensed form. We regret that our tore, shareholders will understand that it is in their interests that the accounts are presented in a condensed form. We regret that our colleague, Mr. C. M. Millar, has not returned from Australia in time to be present to-day, but he has written to us that he hopes to visit the fields on his way home, and he expects to arrive here about July 15, when we shall have the benefit of the information he has obtained during his visit to the scene of our operations. I have now to put the following resolution to the meeting:—"That the directors' report and the annual accounts, as presented, be and are hereby adopted." (Applause).

lopted." (Applause).
Mr. F. P. Crowther seconded the resolution, and it was carried

unanimously.

The auditors, Messrs. Jackson, Pixley, Browning, Husey, and Co., were reappointed, and a vote of thanks to the Chairman terminated the proceedings.

ZEEHAN-MONTANA MINE (LIMITED).

The fourth ordinary general meeting of shareholders in the Zeehan-Montana Mine (Limited) was held on Tue-day at the officer, 353, Mansion House Chambers, E.C.—Mr. D. C. Griffith, who presided, in moving the adoption of the report and accounts, went in detail through the latter, remarking that the financial policy of the board was modified by the necessity of keeping a good deal of m ney free. Passing on to refer to the mine itself, he said that the reserver, according to the manager, were larger than ever. It was not yet settled whether the present shaft would be suck down lower, or another one should be stated in the centre of the property. A new shaft would cost some £6003, and partly with the object of meeting this expenditure a further call of 2. 6d. per share would be made shortly.—The motion for the adoption of the report and accounts was seconded by Mr. Alfred Mattei and carried unanimously.—
The following resolution was also carried:—"That a further dividend at the rate of 81, per fully pail share, and 51, per share 12. 6d. paid (making a total distribution for the year of 1. 81, and 1s. 0½4, per share respectively) be paid to all shareholders on the books of the company on Jane 30 next.—The meeting then terminated.

LOMA GOLD MINES (LIMTED).

An extraordinary general meeting of the shareholders in the Loma Gold Mines (Limited) was held at Winchester House, E.C., on Wednesday, Mr. H. S. Sankey presiding, for the purpose of considering resolutions to the effect that the company should be reconstructed; that with a view thereto it should be wound up voluntarily; that Mr. H. P. Creasey should be appointed liquidator; that a new company should be registered to be named the Esperanza Gold Mines; that the draft agreement submitted to the meeting made between the old and the proposed new companies should be approved; but that in the event of the liquidator not being able to carry through the reconstruction scheme, the company should be been event of the liquidator not being able

should be approved; but that in the event of the liquidator not being able to carry through the reconstruction scheme, the company should be wound up in the ordinary course. —The Chairman said the scheme proposed was exactly the same as that put forward at the last meeting, with the exception that the liability was now one of 6d. only and not of 1s, 6d. per share. He pointed out that the last scheme was rejected at the confirmatory meeting merely by the vote of one shareholder. He moved resolutions in favour of the objects of the meeting. The resolutions, after some discussion, were put and carried, a demand for a poll by Mr. G. P. Ernest being ruled out of order. —Subsequently another meeting, called in compliance with a requisition of a number of shareholders, was held to consider the following resolution: —"That Mesers. H. Stuart Sankey, T. E. Briggs, and E. T. Tabor, and Major P. W. T. Ross, being directors of the Loma Gold Mines (Limited) be and each of them is hereby removed from the office of director, and that George Paul Ernest, R. Warner, E. Bushby, and H. Saqui, being duly qualified members, be and are hereby appointed directors of the company in the place of the directors removed."—Mr. Reis proposed the resolution and Dr. Perkins seconded it, but after a rather long discussion it was put to the meeting and lost.—A poll was demanded, but the Chairman again ruled that the necessary legal technicalities had not been complied with.

An extraordinary general meeting of the St. Helen's Development Syndicate (Limited) took place on Thursday at Winchester House, Old Broad Street, E.C., the Chairman (Mr. Emerson Bainbridge) presiding, Mr. CHARLES F. HAWKINS (Assistant-Secretary) having read the notice exhicing the meeting.

The CHAIRMAN said: Gentlemen, —You will have learned by the notice which has been read that there is a special object in 'calling this meeting, and this object is for the purpose of enabling the shareholders to meet our general manager, Mr. Shaw. I may recall to your recollection that the last meeting of this Syndicate occurred in October last year, about three months before Mr. Shaw's return. Mr. Shaw returned to England Irom Africa on the 28th of December last, so that practically he has been in this country about five months. Some of the shareholders may think we have been rather long in calling them together for the purpose of hearing the statement, but, as you will know, there are several reasons which have transpired, and which explain that delay. In the first place, it is important for your directors to consider in what manner the large properties acquired in your interests by Mr. Shaw should be dealt with, and it was very important that Mr. Shaw should be dealt with, and it was very important that Mr. Shaw should prepare for the use of the Board and the information of the shareholders, the report which was circulated a few weeks ago. I think you will bear me out when I say that there have been few reports issued to shareholders containing so full and complete information upon the properties they refer to, and showing as that report does such a large amount of valuable mining properties. (Applause.) By this time the shareholders have had an opportunity of pursuing, and, I hope, understanding what is contrined in that very clear and lucid report; but besides that we thought in undesirable to call the shareholders together until the Board had decided, in conference with Mr. Shaw, as to dealing with a certain block of th

nard there, and risks his absolute life and health in gaining such properties as he has acquired for us, he is entitled not only to a good remuneration, but to the rest which he has had since he came back to England. I have now much pleasure in asking Mr. Shaw to address you. (Applause.)

Mr. F. G. Shaw (general manager) said: Gentlemen—It is with great pleasure that I at last find myself able to address the shareholders of the St. Helen's Development Syndicate. I have been anxiously wishing for this opportunity since my return, and I want to point out to you that it is as much in the position of a fellow shareholder with yourselves as in that of your general manager that my remarks must be taken. I would like you to realise how very much our interests are and must be bound up with one another. During my absence from England, whilst working in your interests, I have always looked forward to this hour, which I feel will bring me into closer relationship were the only ones among you whom I had personally known, and the cordial appreciation and relationship expressed in the letters from the Board has always been a guarantee of a similar friendly disposition on you parts. I will briefly recall the circumstances under which this Company was formed, and will sketch the work I have done and the work to which I desire to call you attention as being of most importance. The conception of this venture was my own. From my geological knowledge of South Africa I had anticipated that there was a large gold area to the north of the Limpopo. The vague reports brought down by a few traders, such men as Selous, &c., had tended to strengthen this view. On the outbreak of the Matabele war I brought the first three of your directors, Mr. Bainbridge, Mr. Tapp, and Mr. Causton, the latter of whom, I am sorry to say, has since retired, and has b.c.a succeeded by Mr. Holland. Yellow to the properties of the favourable prospects both as to the country, the reefs and the climate. On my arrival at the Cape I interviewed Mr. Rhodes, and was Buluwayo, and was kindly received by Dr. Jameson. I travelled for four months in the various gold districts of Matabeleland, thoroughly inspecting the reefs, shafts, and old workings already discovered, writing short reports on each of the various properties, which I considered of any importance, and getting into friendly relationship with those men who had ground to sell, and which was, I considered worthy of attention. About December I had thoroughly made up my mind as to the great value and future that that country would attain, and had written home a number of long and exhaustive letters to your Board, some 200 pages of matter, detailing my daily work, and giving my full reasons for considering the country to be of great importance I then recommended the buying of farms, allotments and claims. My directors, however, did not at that time recognise, as I recognised, the great value of these farms, &c., but rather wished me to confine my attention to mining matters. I was at the time in an excellent position to estimate the value of the country. My former experience in various parts of the world was of the greatest use to me. The men, who had taken up the gold claims, were, with very few exceptions, totally unacquainted with mining matters, and had merely pegged of the ancient workings, and in some cases had roughly cut through the dibrir which had blocked up the ancient workings. The various managers of the other syndicates had in most cases left Matabeleland

for London to take advantage of the boom in South African matters, which was generally expected. Although I foresaw that a golden opportunity was lost in my not going home to London, I considered that a more valuable result would ensue by my remaining there during the rainy season, at the time when money was scarce, and claims in the market many and cheap. I informed the Board of an immediate and certain rise in the Chartered Company's shares. They were at that time £2 10s. to £3, and they afterwards rose to £8. I then commenced to secure the properties, which I have since described in my general report, which has been sent round to the shareholders, and I wish to thoroughly impress upon you the fact that after doing a considerable amount of work on most of them, I implicitly believe in every property which I have acquired. Do not forget that I could have taken up for far less money—little as I have spent—ten or fifteen thousand claims, and many of the prospectors would gladly have allowed me to take over their entire properties merely on the chance of my floating them in England. It must be apparent to you at once that it has not been my object to get a great number of these claims, but only those I had considerable faith and belief in, and I had unlimited choice, with comparatively few men either with experience or money behind them to compete with me. The business arrangements I have made in South Africa are such at secure to the shareholders of the St. Helen's Development Syndicate, most thoroughly all the verticus exercises we had and it is exerting that I have to the shareholders of the straintenders of the strain made in South Africa are such at secure to the shareholders of the St. Helen's Development Syndicate, most thoroughly all the various properties we hold, and it is certain that if any trouble should arise in the future owing to the removal and destruction by the Matabele of the beacous of the various blocks of claims we hold, we shall be in a much stronger position than any other company there, as I can positively swear to, and have roughly surveyed every block, and brought home the plans from which have been taken the smaller plans issued in the general report. As your general manager, I was exceptionally licky and foctunate in South Africa, and I can congratulate you on having properties, the great value of which it is impossible to realise at present. With regard to at least sixteen different blocks you now hold, I could not advise you to part with any one of them for less than four times the total zemount of money that you have expended in the whole area of the ground you own in Matabeleland. (Applause.) I was able to acquire properties which the other and older companies wanted. My experience, as Government Mining Surveyor of Australia, enabled me to define the boundaries of our own claims sufficiently well to protect us in most cases against attempts at jumping, which have occurred in Matabeleland. An important action was brought by some persons against myself and the vendors of the Eileen reef, but I am glad to say the case was given against them with full costs, and they left the Court under circumstances not at all favourable to themselves. As you have, I hope, read my report, I will not epitomise the various properties contained in it. The report was in every respect cut down as much as possible in order to make it readable. I could, on many of the mines you have acquired, have written much more. The reefs themselves, in most cases, will prove permanent, and the average in this country are more numerous and itcher in quantity and size than those of any other country in which it has been my fortune to Development Syndicate, most thoroughly all erties we hold, and it is certain that if any tro when you realise that this quartz was not selected, but broken down, in masse, from two feet of reef, and is the stone mentioned under the head of the Rosebery mine in the general report. It is proposed on the flotation of the subsidiary syndicate to proceed with the development of the various properties mentioned in it. A central mill will be placed at a convenient distance from each reef, and crushing will be commenced as soon as possible. I hope before very long to have this mill erected and crushing stone of at least 30 dwts. to the ton. The initial expenses will be high, and I have advised your provisional directors to have a large working capital. As the development of the various properties is proceeded with, rich ores will be raised from the various shafts and supplied to the central mill. I propose to put down at least ten working shafts in this new company, and it some cases to communicate by crosscuts and drives from shaft to shaft. Hoisting plants, aerial transways, a large quantity of mining material, several pumps, &c., &c., will be necessary for carrying out the scheme I have partially formed. An efficient staff of men will have to be engaged, and a considerable smount of work lies before the future manager of this company. I feel so confident of the success of this venture, that I am myself applying for 10,000 shares. The development of the properties we have acquired fmount of work lies before the future manager of this company. I feel so confident of the success of this venture, that I am myself applying for 10,000 shares. The development of the properties we have acquired and hold in this and other parts will, in the meanwhile, be rapidly pushed forward. The Dunraven Extension, Queen's Extension, Long John, Eileen, Nellie, Germania, Mabel, Guinea Fowl, &c., &c., all of which I have great confidence in, will have permanent shafts as soon as I can conveniently get the necessary mining material to the spot. In most cases these shafts will be sunk by contract under my supervision, and from the results obtained other subsidiary gold mining companies will be formed. (Applause.) The confidence which will be gained by the successful development of the Sinanombl Syndicate will materially help in the future floating of the subsidiary companies, and I do not anticipate that the shareholders will be inclined to be so moderate as to cash demands as your directors have been in this Sinanombi Company, when floating the future gold mining companies on the various reefs just mentioned. And now, passing from the important mining matters, about which I shall be delighted to answer any inquiries, I wish to draw your attention to the valuable stands you hold in Buluwayo. Buluwayo mits to frecessity eventually become a large and important town, and the bullding scheme mentioned in my general report should have immediate attention. I believe that our St. Helen's Dew lopment Swedictae stands on a particularly sound and excellent monetary footing. We have only spent some £12,000 of our initial capital, and, therefore, I suppose we can calculate on at least having £150,000 working capital at our disposal for the parent syndicate—that is, if the 50,000 working capital at our disposal for the parent syndicate—that is, if the 50,000 cooks Syndicate stands on a particularly sound and excellent monetary footing. We have only spent some £12,000 of our initial capital, and, therefore, I suppose we can calculate on at least having £150,000 working capital at our disposal for the parent syndicate—that is, if the 50,000 reserve shares are offered to yourselves and the public before allowing the already-allotted shares to fall to par. Some portion of this capital might be at once utilised in the erection of a number of substantial residences; and I am confident that a large and permanent income would arise from the rebatl as soon as they were finished. It might be, perhaps, wise to form a separate building society in connection with our stands. They have cost us but little money, and are well situated shell in good positions in the towns. The next question which should nd in good positions in the towns. The next question which should seelve immediate attention is that of our valuable farm lands. We old about 56,000 acres of land in different parts of Metabeleland. hold about 56,000 acres of land in different pairs of the directors will at once show you how well they are situated, so far as the mining districts are concerned. The importance of owning the land on which the gold claims exist, especially when in the land on which the gold claims exist, especially when in the land on which the gold claims exist, especially when in the land of owning the land on which the gold claims exist, especially when in such large numbers as on our farms, must not be under-estimated. The Chartered Company are supposed by their original laws to buy back there farms at \$Z\_3\$ per morgen (two acres). With all their present embariasiments on their hands, it would be unigenerous to insist on any lights we may consider we have in this matter, we have the right of stopping all faithing work on our farms. The farms themselves, in addition to this value, are considered by the Cape Government Surveyor to be of the very best agricultural and grazing land existing in Matabeleland, and it is advisable at once to get some return from these valuable fioldings. Farmers might, with a good deal of profit to themselves, is estitled on these farms, and a number of good imported eattle be placed as soon as possible on them. These farms are what are called winter and summer lands, that is capable of grazing cattle all the year round, and are excellently watered. I have not myself had sufficient time to thoroughly form any decided ideas a. to the best method of utilising these agricultural sources of wealth, but before I leave England I hope to leave a plan of some scheme which may be utilised by my directors here on my advice when in Matabeleland. Turning from our agricultural farms, we now come to the tilnber farms which we hold there, and I again once more wish to congratulate you on these valuable properties. I have specimens here cut from wood taken from our own farms, into you will see the excellent class of wood it is. When I tell you that this wood will be sought for not only in Africa but in England, I wish you to

understand I thoroughly mean what I say. Even at the present prices given by the timber-getters of Bulawayo for timber cut by them on our ground, that is £2 tos. per load, we have at the least estimated £250,000 worth of timber on these farms, besides the valuable land and the advantages of immediately starting a timber company must be apparent to you, as an income will at once arise by placing on the river which runs through one of our timber farms a large sawmill, and proceeding to cut and import into Buluwayo the timber which is now standing idle there. A large amount of capital will not be needed for this. It will in any case be necessary to have men stationed on these farms, as from my advices since leaving, the man I left there in charge says that the timber-getters are beginning to steal our timber. One of our numerous stands in Buluwayo can be utilised as a storing ground for the timber cut. As soon as the railway from Johannesburg is completed, this timber will be in great demand, and will be worth a great deal more than £2 10s. a load for use in the Johannesburg mines. A very valuable income should soon arise from this portion of our property in South Africa, and I do not anticipate that the expense of management will be very great. With regard to our shares, I should advise you to look upon the interests you hold in this syndicate as a permanent investment, to be held firmly by yourselves, with a view to the dividends and returns which must come to you, and in this respect I should thoroughly advise that no amalgamation is made with any other convents without feet and fully consulting me on the matter. the dividends and returns which must come to you, and in this respect I should thoroughly advise that no amalgamation is made with any other company without first and fully consulting me on the matter. Our properties are complete as they now stand, and require no additional claims to enhance their value, and the proposal to amalgamate them with 'es valuable claims have been but too frequently made. We are strong enough to develop these claims ourselves without obtaining the help of others. I have repeatedly expressed the opinion that our shares should be quoted in the various newspaper. without obtaining the help of others. I have repeatedly expressed the opinion that our shares should be quoted in the various newspapers, and that it should not be a one-man market, as so many complaints have been made, and, in my opinion, justly made, to me by the shareholders. I trust that in the future the market may be an open one, and not confined to the rather restricted influence of one broker and one and not continued to the restricted influence of one broker and one jobber. It is needless to point out to you, as business men, the bad effect that this has had up to the present date. Newspapers, it is true, in some cases require a small payment for the every-day insertion of our shares, but it is only right that our shareholders should individually see in their own paper how their shares stand. I should advise that the full complement of our directors should be made up, and that you appoint three other directors to assist in the labours of the present Passed and ones who will have time to give to the various important. Board, and ones who will have time to give to the various important affairs that will in the future require attention from this company, and who may be able to lighten the work of the small number who at present control this company. I have sent home from Matabeleland over 500 pages of closely-printed matter in connection with the work of your Syndicate, in addition to the arduous work I have carried on there, which work, you must remember, I had to do myself, for only during the latter portion of the time had I the assistance of a clerk, Mr. Garbutt, and I was rather disappointed to see at the last general meeting that more information was not given to the shareholders as to what I had been doing. A general meeting should be held before long to consider the whole of this matter, to learn our financial position, as well as to discuss the few schemes which I have just mentioned. With regard to myself, I have, since I have been in England, been employed in carefully considering Board, and ones who will have time to give to the various important schemes which I have just mentioned. With regard to myself, I have, since I have been in England, been employed in carefully considering and going through the three or four hundred legal documents connected with our various properties in South Africa, with writing my general report, and with drawing general attention to Matabeleland, I have been thus able to raise the price of our shares from par to over £3, and not with standing the present depression caused by the Matabele outbreak, so far as I can gather from vague reports from the Stock Exchange, these are at this moment 2½. I do not wish to see them outbreak, so far as I can gather from vague reports from the Stock Exchange, these are at this moment 2½. I do not wish to see them again fall. The latest advices from Buluwayo inform me that affairs will be a standstill for several months, and the transport from Mafeking will be extremely difficult owing to the rinderpest having killed off so many of the trex oxen employed for this work, so that there is very ample time while I am in England for a full consideration of the various schemes I have proposed, and for the collection of all materials and men, which I shall require if I continue to be your general manager. It must be remembered that our properties are extremely scattered, and a glance at the map I have supplied with the report of the properties of Matabeleland will at once show you the large distances separating the various properties. However much I should like it, it is impossible for me to be everywhere at once. With the best mules and carts it is impossible to do more than twenty-five miles addy constant travelling, and to travel from one to the other of our day constant travelling, and to travel from one to the other of our properties without stopping for a moment at any one of them, I should have to cover over 810 miles. This takes me nearly a month to miplish, and leaves the mules in a condition needing a considerable

It will be, in my opinion, necessary that a staff of mine foremen
mechanics, &c., should be carefully selected, so that I can leave each district in charge of a competent man, together with the necessary hoisting plant, pumps, &c., which will be at once necessary, and that arrangements should be made at Mafeking for an immediate and safe delivery of these different shipments to the various points where they arrangements should delivery of these different shipments to the various points where they are required. The supplying of these men and the machinery necessary will devolve upon me, and also the making of the general arrangements for the transport to Mafeking and Buluwayo. I shall require a business manager in Buluwayo, and I shall devote myself to the general super-intendence of all work going on for the St. Helen's Development Syndicate. It will be necessary to have offices in Buluwayo, and a manager's house will be required, with stables, &c., for our mules and horses. This should at once be proceeded with, as the health and comfort of your manager should in all cases be considered, and it will be better to build our own offices than to pay the large rents obtaining at Buluwayo. I had no time, and was too basy to think much of this before, as I was sleeping either in a waggon or on the Veldt when last out, but I consider, with the work and worry which I shall have before me, I shall require as little extra worry and as many comforts as reasonably expect out there. (Applause.) And thus, gentlemen, gising for the length of my report, I wish to impress upon you more the great importance and value I attach to our holdings in once more the great importance and value I attach to our holdings in Matabeleland, to publicly thank my directors for the confidence they have reposed in me, and to once again direct your attention to the beautiful stones I have on the table. (Cheers.)

The CHAIRMAN: I am glad we have heard Mr. Shaw, and in the address he has given you will have apprehended that, not only has he the qualifications necessary for the management of a mine, but that he is able to constitute himself the adviser of the Board on Stock Exchange

regret very much if we have to offer it to the public. I am a very regret very much if we have to offer it to the public. I am a very large shareholder, and I mean to take my full proportion of any shares I can get. We are not giving you ten or twenty claims, but 190 claims, and they represent even something more if the reefs go down deeper, because they are all outcrop claims. If they go out of our mine we can work and trace them in depth; so that ten claims in your mine are as much as fifty would be on the Rand. The Government are interested in the claims and are doing everything they can for us, and I do not believe that we shall have the same troubles and charges in Matabeleland as they have on the Rand. I have much pleasure in proposing a hearty vote of thanks to Mr. Shaw, for the interesting report he has given us (Applause.)

on the Kanu. I have much pleasure in seconding that. From the speech Mr. Shaw, for the interesting report he has given us. (Applause.)

Mr. Strong: I have much pleasure in seconding that. From the speech Mr. Shaw has made to-day, we all recognise and realise that he has had a most arduous time, and I think we should pass a very hearty vote of thanks to him for the energy and experience he has displayed on our behalf. (Applause.)

The CHAIRMAN having invited questions,

Mr. Jephson said that in regard to the Sinanombi Company, he did not see reference to any arrangement having been made with the Chartered Company, who, he supposed, were entitled to their percentage. The CHAIRMAN replied that the word "development" in the title of the new company would enable them to bring it out without any payment to the Chartered Company. When they had proved the value of these claims subsidiary companies would be formed, which would come under the arrangement of the Chartered Company.

The vote of thanks was then put, and carried with acclamation.

Mr. SHAW, in replying, said that it was a great satisfaction to anyone who thought he had performed a good work to feel it was appreciated by the people for whom it had been done. (Applause.)

the people for whom it had been done. (Applause.)

A cordial vote of thanks to the Chairman closed the proceedings.

#### LOMAGUNDI EXPLORATION COMPANY LTD.

The statutory meeting of the shareholders in the Lomaguad Exploration Company Limited, was held at Winchester House, E.C., on Thursday, under the presidency of Major-Gen. Bates (the chairman of the Company).

The Secretary (Mr. Munns) read the notice convening the impany).

ETARY (Mr. Munns) read the notice convening the

meeting.

The Chairman said: Gentlemen,—This is the statutory general meeting of the Company, and I am pleased to say that I have a very satisfactory account to make to the meeting of our working since the registration of the Company, from which you will be able to learn something of the prospects, which, I am sure, you will say are highly encouraging, and that no time has been lost in getting to satisfie work will be apparent to you. The Company was formed to explore and prospect in the mining district of Lomagundi, which is situated in the province of Mashonaland; but though the Company has power to operate outside that region, I do not see any necessity for encouraging, and that no time has been lost in getting to active work will be apparent to you. The Company was formed to explore and prospect in the mining district of Lompagundi, which is situated in the province of Mashonaland; but though the Company has power to operate outside that region, I do not see any necessity for our doing so. That field is sufficiently large for very extensive mining operations for many companies; moreover, its rettensive mining operations for many companies; moreover, its rictensive mining operations for many companies; moreover, its rictensive mining operations for many companies, moreover, its rictensive ment to us to continue in the Lomagundi district. Very little information has been published to throw light upon the value of the Lomagundi mines, beyond general admissions of the existence of numerous ancient workings; but it is a significant fact that such companies as De Beers, Selous Syndicate, Lomagundi Development companies are acquiring holdings, and extending their interests on this field. Gentlemen, when I tell you that we own up to the present time 100 gold-mining claims in the Lomagundi district, I am sure you will agree with me that we have a very substantial holding, and that there has been no loss of time. All these claims occupy exceptionally well-favoured positions on the banks of the Angwa River. They are surrounded by claims belonging to De Beers, Nicholson's and Selous Syndicates; also to others of influence. Our immediate profits will be derived principally from two sources. First, from the sale of properties to subsidiary companies, and with regard to this programment, we shall lose no time in carrying out this programme. Second, from the working of our claims, and with regard to this source of profit, Mr. Whittaker, in a recent report, says: "You will be able in programment, we shall lose no time in carrying out this programme. Second, from the working of our claims, and with regard to this source of profit, Mr. Whittaker, the engineer of the Nicholson Syndi

and the same that seven you will nave appreciated that, not only has net be qualifications necessary for the management of a mine, but that he is able to constitute himself the adviser of the Board on Stock Exchange matters with regard to the market for the shares, and even with regard to the market for the shares, and even with regard to the market for the shares, and even with regard to the market for the shares, and even with regard to the market for the shares, and even with regard to the market for the shares and the support of the shareholders in exercising that discretion. No doubt you would like to have a few words from Mr. Tapp, who has had so much to do with the welfard and development of the company. (Applause.) After one you got together, and applied for the shares at par. Every share has been either allotted at par for cash, or sold at a considerable profit over a mention one little investment we made — we put £1,000 into a certain stock, and we made £5,000 profit by it. (Applause.) Another £15,000 was invested in some shares at a discount, and after the cash of that company was distributed it gave us a considerable profit over par. Another investment was made in a company, where at present the shares are changing hands at double the amount we gave for them. (Applause.) I think, therefore, that the estimate of £25,000 of profit is well within the mark. It is an expense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it is better to spense to get the thing quoted in the papers, and it i

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Bodesia firmly convinced that it is on the eve of eclipsing even the Transvaal in prosperity and financial popularity. With the salive rebellion already practically suppressed, and the virtual rebushion of the Randt as a field for individual enterprise, individual sinos are not wanting even now that a tremendous rush of men and money into Rhodesian ventures will very shortly take place, and those who have already secured a footing in the country will to well, in my humble opinion, not only to stick tightly by their injerests, but, if possible, to increase them without delay. The rebellion undoubtedly has looked like a very formidable affair, but, as has been made apparent to the British public, the defensive resources of the Chartered Company have been more than sufficient to deal with the uprising. I think that that is a very strong point in favour of the Chartered Company, and British investors insw their best interests, they will to a man stick up for the maintenance of the Charter. (Hear, hear.) In a country like Rhodesia, it is the same as ploughing up a new field. The plough last to be applied before the seed can be sown, and I, speaking as an individual, maintain that it is for individual enterprise to do the sloughing, and for the Imperial Government to come in and do the sowing. The time has not yet arrived when it can be suffered that we should be put under the thrall of red-dapoism. Red-apsism is inseparable from Imperialism, and I speak as a thorough Imperialist.

The Chartered Company is perhaps the most insert and that is saying a great deal. If you go to Mr. Rhodes, who is really the head centre and mainspring of South Africa, and sot only of the Chartered Company, you can get everything you want, if you went to either Mr. Rhodes or Dr. Jameson, who was lately the administrator—and who, I sincerely hope, may have a very important position in the country spin—you would get everything you want to either Mr. Rhodes or Dr. Jameson, who was lately the administrator, or in any other easier, Show them t ising settled, and I consider it has been practically settled already appeically in the Lomagundi district. That district is far removed ign the labour embarrassments which have affected the southern perions of the territory, because there are settled native kraals rike will be a perennial source of labour for the district. They have given the control of the territory, and dephave not been disaffected in the same manner. Therefore, I hope at believe that you will never be troubled by the labour question. If the Chairman has been kind enough to remark, it was recently syptivilege to see much of and be with Mr. Rhodes a good deal afing his present visit to the territories, and I believe it is impossible a swarate the immense and beneficial influence which his presence sabis masterful management of affairs is about to exercise on the property of the country. He has promised to make Rhodesia in himse his headquarters, and to devote himself to its immediate assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Mr. Rhodes' boundless assacement, and, to anyone acquainted with Julianted Mr. Rhodes' boundless assacement and the control of the whole British public on that point Mr. Rhodes is a factor that cannot be put still the second of the property of the country

Ruropeans.
M. WHITTAKER endorsed this opinion, saying that he had him-elf worked in the Lomagundi district for three years, and had cand the climate better than in many other parts of South

The agents' report was as follows:—

The 32s cast of Goold's engine shaft is being driven by a boring manuface, and is worth for tin £11 per fathom. The rise in this level is communicated with the 23s. The 23s cast of Goold's is worth £13 per fathom. For teacted engine shaft is make to ... 25s. The lode is worth for the length of the shaft £20 per fathom, but we think the best part of the length of the shaft £20 per fathom, but we think the best part of the lede is standing north, and as whall in a few days commence to drive east, we shall be able to further fever what the real value of the lode is. The 25c cast of Fortescue's is with £15 per fathom. The 25c west is producing low quality timutif, but solving to value. The 25c cast of Fortescue's £1.—Stating to value. The 25c cast of Fortescue's £1.—The 17s cast of Fortescue's £1.—The 18s cast the £15c cast of Fortescue's £1.—The 18s cast the £25c worth £15 per fathom. Two at the 25c worth £15 per fathom each. Two at the 23c, worth £15 per fathom each. There is cast the 25c, £12. One at the 125c cast the 25c cast of Fortescue's £1.—Chast the £15c cast the

a could not help expressing regret at the price of tin. Variations in the price of tin were not to be influenced by any man or set of men if it the surrounding circumstances did not help them very material.

During the past quarter they had passed through the worse time, looking at the price of tin, that they had ever experienced. The looking at the price of tin, that they had ever experienced. The price of tin, that they had ever experienced. They got an average of only £37 a ton, and in the quarter of a century that he had been connected with it in mining and Wheal Gravilly that the had been connected with tin mining and Wheal Gravilly that they had been able to raise their tin a time endeavourilly of the times by a change of policy, and struct edid it before for £40 a ton for any length of time; but it is two lab average and they sold £10,270 worth of tin, and the consists as more of money had been spent in improving the floors from revenue. During the quarter they sold £10,270 worth of tin, and the consists as more of the construction of the construction of the statutory meeting of the sharcholders in the Nil Desparadam to the previous quarter. He was included to think they had touched the bottom of quarter. He was included to think they had touched the tother were see that again; but they would have to show a statement with tin at £37. He believe were see that again; but they would have to show a statement with tin at £37. He believe were see that again; but they would have to show a statement with tin at £37. He believe they would again have to show a statement with tin at £37. He believe they would again have to show a statement with tin at £37. He believe they were see that again; but they would have to show a statement with tin at £37. He believe they were see that again; but they would have to show a statement with tin at £37. He believe they were see that again; but they would not be the proport of the proport o

moved the reception and any pointed out that they were still report.

Mr. F. G. Lane seconded, and pointed out that Mr. Fortescue would give the same kind consideration he had hitherto shown them. (Hear, hear.) They had been prosecuting the mine with every vigour, and he hoped they would not be called upon to come to the shareholders for support, but their future depended entirely on the price of tin. The mine did look well, and had continued to open up well, and there was every appearance of other parts doing the same.

Mr. E. M. Milford observed that in the last three statements of accounts, £498 had been charged for law costs, and asked whether this was the total amount they owed; also whether they had had the costs taxed.

The CHAIRMAN remarked that the law costs were a great deal more than they appeared, but upon a proper representation of the matter to their friend, Mr. Rogers, he, in a very handsome manner, took off a very large sum, so that they would be fools after that to have the bill taxed. This £350 was the last they would ever be called upon to pay in this matter. (Hear, hear.) One of the charges in the total of £498 had really nothing whatever to do with the appropriachment case.

charges in the total of £498 had really nothing whatever to do with the encroachment case,

The CHAIRMAN then proposed the following resolution:—

That the adventurers in Wheal Grenville, assembled on the mine, desire to express their sense of the loss they have sustained by the deaths of their esteemed colleagues, Mr. W. Bellingham and Mr. J. W. Dorf, who had been associated with the committee for so many years in the management of the mine. They also beg to tender their sincere sympathy to the families of these geutlemen in their bereavement.

Mr. FEANK HARVEY seconded, remarking that Cornish mining at this juncture could ill afford to spare such good supporters as these gentlemen.

Mr. FRANK HARVEY seconded, remarking that Cornish mining at this juncture could ill afford to spare such good supporters as these gentlemen.

The resolution was unanimously carried.

The CHAIRMAN then proposed a vote of thanks to the manager (Captain Bishop), the purser (Mr. James Negus), and the agen s for their continued care and persevering energy in working the mine.

Mr. ROGERS seconded, and the vote was unanimously passed.

Captain Bishop, in replying, said he remembered the old French proverb, gut s'excuse s'accuse. He had nothing to excuse or accuse himself of. He had done his utmost; but the price of tin had been against them; and they had had also to contend with a considerable amount of water. They had had great difficulty in keeping up their returns, and it required a great deal of scheming to keep up the returns, as they would realise when in a mine 700 fathoms in length, and in sinking two shafts, and developing levels, they had only two boring machines. He could not go faster than they gave him means to go. When he entered their service, seven years ago, he told them they had a valuable property, and he saw not the slightest reason to alter his views. (Hear, hear.) He pointed out that they could develop the property much more rapidly if they had increased boring machinery, and expressed the hope that they might soon have an account of the stream of th machinery, and expressed the hope that they might soon have an air compressor like that at Carn Brea.

Mr. MILFORD asked whether there was yet any increase of water

from West Frances.

from West Frances.

The CHAIRMAN suggested that that was a subject which had better not be brought up in the interest of the shareholders and of future negotiations. He was as big an advocate of boring machinery as Captain Bishop, and as soon as the time came when they could spare a little money, something might be done in that direction. (Hear, hear.)

Mr. J. WICKETT pointed out that while the shareholders got nothing for their invested capital, the lord had in four months received £400. He suggested an appeal to the lord asking for a remission,

remission,
Mr. H. ROGERS expressed a similar opinion.
On the motion of Mr. F. HARVEY, seconded by Mr. J. JEFFREY, a
vote of thanks was given to the Chairman and the Committee, and
the proceedings terminated.

Reropeans,
Mr. WHITTAKER endorsed this opinion, saying that he had himely worked in the Lomagundi district for three years, and had load the climate better than in many ether parts of South Mrica.

A vote of thanks to the Chairman and Mr. West concluded the meeting.

WHEAL GRENVILLE.

A 16-weeks meeting of shareholders in Wheal Grenville was leid on the mine on Taesday, Mr. B. W. Goold presiding.

The accounts showed a balance in favour of the mine at the last setting of £429. The tin sales have been 272 tone, which realised flugrou.

The total debits on the general account were £10,456, healing labour costs, £5176; merchants' bills, £3186; lord's dues, flugrous flugrou

wigorously in the Intere.—The meeting concluded with a vote of thanks to the Chairman and directors.

MOUNT DARWIN SYNDICATE (LIMITED).

The ordinary general meeting of the shareholders in the Mount Darwin Syndicate (Limited) took place on Wednesday, at Winchester House, E.C., when Colonel Paget Mosley, in moving the adoption of the report, said the total issued capital now amounted to £21,400. The directors had expended £3035 in acquiring some valuable properties other than those taken over by the company originally. The outlay on their properties had been kept down to the smallest possible limit in order to avoid, as far as they could, the onerous charges for tansport which must rule in Matabeleland, and also in Mashonaland, until the completion of the railways, Ever since the decline set in last year in all South African securities, the policy of the board had been to husband the resources of the company and to await a better state of things in the money market. They had been confirmed in this view by the trouble which had arisen in Matabele and. This trouble, however, the directors believed would be a future benefit to the country, as it would have the effect of hastening the completion of the railways, which were of vital importance to the prosperity of the country. Not only the enect of nastening the completion of the failways, which were of viral importance to the prosperity of the country. Not only would the transport charges be considerably reduced, but they hoped that immigration would commence on an extended scale, when their landed properties would become more valuable.—Mr. E. Hain, jun., seconded the motion, which was carried unanimously, and the meeting terminated with a vote of thanks to the directors. directors.

VILLAGE MAIN REEF GOLD MINING COMPANY (LIMITED). The ordinary general meeting was held on Thursday at the Cannonstreet Hotel.—Mr. Percy Tarbutt presided, and in moving the adoption of the report, said that they had a very large amount of ore developed, and they were in a position to continue development work at a more rapid pace than would be required for the supply of 100 stamps; and, therefore, barring any unforeseen accident such as a fault, their developments would always be gaining on the ore they took out for the battery. A conservative estimate of the valoation of the ore showed that the south reef, of which 162,000 tons were now developed, would average 22 dwts, per ton, and he did not think it was optimistic to say that they would get a return from the ore of about 15 dwts, or a little more. At the main reef leader they had 64,000 tons developed, the average of which was 10 dwts. They had no doubt that they were in one of therichest parts of the Randt. The erection of a larger battery had been delayed from several causes, but the question was now coming to a head. He thought they would probably be in such a position that they might be able, if it was advantageous to do so, to sell off the northern strip of their property to the outcrop companies and put their battery down VILLAGE MAIN REEF GOLD MINING COMPANY (LIMITED). they would probably be in such a position that they might be able, if it was advantageous to do so, to sell off the northern strip of their property to the outcrop companies and put their battery down below where they could use it from the No. 2 shaft. Although they had carried down the exploration to the No. 7 level they had met with no fault, which materially affected their operations, and, so far as they knew, there were no indications of any serious fault ahead. The proposed increase of capital was for enlarging the stamping power and to provide funds which were required for their general operations.—Mr. W. H. Frith seconded the motion.—The Chairman, in answer to questions, stated that the directors' policy mist be guided by events. Negotiations for the sale of different parts of their property had been going on for a long time, and one of these negotiations had been brought to a head, subject to the sanction of the shareholders of the Wemmer Gold Mining Company, to whom they had made a provisional sale of about 11½ claims for 25,000 shares in that company and about £6000 in cash. The meeting of that company was to have been held on the 28th uit, but it had been postponed to the 29th inst. The sale of other claims to other companies was a matter of delicate negotiation, as to which they could not express any definite views. There was also a possibility of their acquiring other claims besides selling some of those they now possessed.—The motion was then adopted.—An extraordinary general meeting was subsequently held, when a resolution for increasing the capital to £230,000 by the creation of 50,000 new shares of £1 each was carried.

LONDON AND WESTERN AUSTRALIAN EXPLORATION COMPANY For the convenience of their numerous and rapidly increasing list of shareholders on the Continent, the directors of the London and Western Australian Exploration Company (Limited) have just com-pleted arrangements for strengthening their representation in France. Baron Charles de la Chevrellere, a well-known member of the French aristocracy, has been elected a director of the company and will be attached to the Paris office. The company have also opened a current account with the Credit Lyonnais of Paris, and have appointed the Compagnie Lyonnaise d'Exploration et d'Etudes to represent them in Lyons."

spervision of the Court.—The Chairman (Mr. James Hamilton), in moving the necessary resolutions, said, having regard to the pending petition for the complete or the company winding up of the company in the resolution requiring them to resign, or the requisition which had been carried.—On the motion of Mr. Beal, the Chairman of the Committee of Investigation, Messrs, Grimwade, Tamilto, and Plummer were appointed liquidators of the company for the purpose of winding up.—The following resolution was also agreed to:—"That the company in taking general proceedings, on behalf of the shareholders of the company be interested to use the name of the company in taking general proceedings, on behalf of the shareholders against the vendors, promoters, and directors, as they may be advised by cosness.—The meeting then terminated.

NITRATE RAILWAYS COMPANY (LIMITED).

The 14th ordinary general meeting of the shareholders in the Nitrate Railways Company (Limited) was held on Taesday, at Winchester House, E.C.—Mr. Robert Harvey, who presided, feelingly referred to the death of the late Chairman, Colonel North, and to the all-important part in held played in making what was a comparatively small business develop into a European industry of primary importance. Dealing with the report and balance—sheet, as far as receipts and expenditare went, he hoped it would be considered as fairly satisfactory, and that 12½ per cent. was a good return for the money invested. The amount carried forward was considered as fairly satisfactory, and that 12½ per cent. as a good return for the money invested. The amount carried forward was considered to consider the constance of the company in which the exercise of the line had been dated, especially in view of the sum of £38,113 expended from revenue on capital account, whilst the length of the line had been materially increased, such the sea added to the line had been dated on the company in which the confidence would be considered as fairly satisfactory, and thus held and the sum of the company i

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#### THE FEDERATEO INSTITUTION OF MINING ENGINEERS.

#### PRESIDENTIAL ADDRESS.

THE twenty-first general meeting of the Federated Institution of Mining Engineers was held, on Thursday, at the rooms of the Institution of Civil Engineers, in Great George-street, Westminster, when Mr. G. A. MITCHELL delivered his Presidential address, which we print almost in extenso as

It is my duty and privilege at this time to deliver to you an address, and in doing so I desire at the outset to express how great an honour I feel it is to fill the office of President of this Institution. While sensible of the honour of the position, I cannot but feel a sense of the accompanying responsibilities, and I fully realise that not the least serious of the duties is the delivery of a Presidential address at such a meeting as this. If what I say to you to-day is not new, if I speak on subjects which are familiar to you, you must bear with me and remember how increasingly difficult it becomes every year to secure fresh matter for such addresses. In a very general way I shall seek to bring before you some of the improvements and changes in mining, with special reference to the past 40 or 50 years. I choose this period, as the middle of the century is sufficiently remote to show many contrasts with the present, and yet sufficiently near not to be ancient history.

Many circumstances have had an influence in the production of the improvements and changes, and, among others, largely the following:—(1) Government legislation accompanied with the appointment of Inspectors of Mines; (2) the spread of elucation and knowledge among those engaged in mining; (3) the establishment of mining societies with the facilities afforded It is my duty and privilege at this time to deliver to you an

the appointment of Inspectors of Mines; (2) the spread of elucation and knowledge among those engaged in mining; (3) the establishment of mining societies with the facilities afforded there by for the publication of information, and for the discussion of matters affecting mining in its different branches. The influence of Inspectors of Mines was very great indeed during the early period when they were first appointed. They were men of intelligence and experience, and in reading their early reports we cannot but be struck by their patient and persistent endeavours to call attention to the improvements desirable and necessary for safety and economy. Their work was at first carried on against much opposition, but this opposition soon disappeared, except in a few cases, and it came to be recognised that their labours resulted in much good to the whole mining community. The increase in the knowledge of colliery managers, and the establishment of mining institutes which have been productive of so much good, were, as is well known, largely the and the establishment of mining institutes which have been productive of so much good, were, as is well known, largely the result of mining legislation and the appointment of Inspectors. When we attempt to investigate the details of mining arrangements in use about 50 years ago, we are at the outset met with the difficulty that the knowledge of mining science was very much greater in some districts of the country than in others. This makes it far from easy to obtain information regarding the position of matters at the time. The North of England, for example, was far in advance of other districts, and a description that would apply to a North of England colliery would be very that would apply to a North of England colliery would be very far from being applicable to, for instance, a Staffordshire colliery.

Perhaps there is nothing more important about a colliery than the veutilation of the workings. It is now almost a truism to say that good ventilation is not only a just and reasonable demand on the part of the miners, but is also an actual benefit to the owners, as men cannot do the same amount of work in defective air as in a good atmosphere. Forty or fifty years ago the desirability, from all points of view of having workings well ventilated was not fully recognised. In reading the reports of Inspectors of Mines in the early days, we are struck by their numerous allusions to defective ventilation, and we are also surprised to note the opposition they enand we are also surprised to note the opposition they encountered at times in their efforts to get matters improved. They gradually overcame this opposition, largely by being able to convince the owners of the advantages of providing good air. One of the Inspectors—Herbert Mackworth, Inspector for the South-Western district—in his report for 1853, states that colliers have admitted that, with improved ventilation, they can do one-fourth more work, and the same Inspector, in his report do one-fourth more work, and the same Inspector, in his report for 1854, gives a striking example of the disadvantage, financially, of bad ventilation:—"At the United Mines in Cornwall the temperature of one of the levels was 105°. Three gangs of miners relieved one another every five minutes, and to cool themselves plunged into water 8 or 10 times a day. The level was costing £18 per fathom." A simple arrangement was suggested for improving the ventilation, and when the alteration was made the temperature was reduced to 80°, and the cost of driving the mine was reduced from £18 to £5 per fathom. The principle of splitting the air currents and carrying the air, on the best system, through the different parts of the mine, was well understood in most districts. For the more important collieries furnaces and steam jets were in use with more or less satisfactory results, but, in many cases, reliance was placed on natural ventilation, which was quite inadequate to produce a sufficient current. The first volume of the "Transactions" of the North of England Institute of Mining and Mechanical Engineers, 1852-53, is practically all devoted to the subject of ventilation, and much is said of the comparative advantages of the steam jet and furnace. The discussion regarding the merits the steam jet and furnace. The discussion regarding the merits of these methods was due partly to the fact that several parliamentary committees had recommended strongly the use the steam jet in place of the furnace. This was specially the case in 1839, 1849, and 1851. It became evident that the recomcase in 1839, 1849, and 1851. It became evident that the recommendations were made without sufficient knowledge, when the comparative merits of the steam jet and of the furnace came to be experimentally investigated, the latter being found to be immeasurably superior to the former. In the various discussions at this time very little is said about mechanical ventilation, although the principle had long been understood.

As far back as 1556, Agricola in his book, "De Re Metallica," gives descriptions of several forms of fans and mechanical ventilators, many of them crude in form, but differing little in principle from the various forms of fans, &c., of the present day.

ciple from the various forms of fans, &c., of the present day.

About the end of the 18th and beginning of the 19th century several patents were taken out—one, for example, by William White in 1789, in which he described a fan wheel revolving in a case, the foul air being admitted at the axis, and expelled at the periphery. It is probable that it was on account of their supposed unreliability that such ventilators were so long in coming into extensive use. We find the fear of their breaking coming into extensive use. We find the fear of their breaking down referred to by Matthias Dunn in 1844, and by John Hedley in 1851. The first ventilator introduced to any great extent was that of Struvé, for which a patent was taken out in 1846. A paper was read before the British Association in 1848, describing the arrangement and subscience in the second of the describing the arrangement, and subsequently it was intro-duced at various collieries. It consisted of two large chambers moving up and down in water contained in a tank, so as to form a double nume. It seemed to much first a tank, so as to form a double pump. It seemed to work fairly well, and one is described as capable of passing 40,000 cubic feet of air per

For the 10 years from 1844 to 1854 many patents were taken out in connection with the ventilating of mines. One inventor, for example (James Grant, in 1844), proposed that steam pipes

should be made to circulate round the workings, with here and there "trumped mouthed openings for the collection of the noxious air by means of the current of steam." This is only one example of many which showed great ignorance of the principles involved. To the improvements in ventilation, in conjunction involved. To the improvements it ventilation, in conjunction with the improvement in the construction of safety lamps, is largely due the decrease in the fatal accidents from explesions. The death rate per 1000 persons, due to explosions of fire-damp, was 1280 in 1851-55, and 0281 in 1891-94, which shows a remarkable improvement. Unfortunately, we have still to deplore the occurrence from time to time of serious explosions accompanied with great loss of life, and, unhappily, there have been several such disasters during the past few months. We must express the most sincere sympathy for all who have any consection with the collieries concerned, or who are interested in nection with the collieries concerned, or who are interested in any way in the men who have so unhappily lost their lives. We look forward, not without hope, to the time when such disasters

To the improvement in ventilation we may trace the great improvement in the health of miners. Mining 40 years ago was a very unhealthy occupation. This cannot be more strikingly shown than in an extract from a report published by the Odd Fellows' Society, and quoted by Herbert Mackworth, H.M. Inspector of Mines, in his report for the half-year to December 31, 1854, which is as follows:—"This class of lives show a ber 31, 1854, which is as follows:—"This class of lives show a very large amount of sickness at every period, and an increased sickness with the advance of years. From the very nature of the employment this must have been anticipated, but not to such an extent as appears in these results. At age 20, miners experience an average sickness of 46 per cent. more than the general class, at age 30 they have 70 per cent., at 40 years 78 per cent., at 50 years 76 per cent., and at 60 years 53 per cent. more average sickness than the general class of lives." Mr. Mackworth also states that the average number of years during which agricultural labourers of Great Britain continue to work. which agricultural labourers of Great Britain continue to work, taken from the census returns of 1851, was 42 years 4 months, and of colliers 28 years 6 months. Mining, now, instead of being as it then was, one of the most unhealthy occupations, is

one of the most healthy.

In the various details of the conveyance of coal from the working face to the surface there has been great progress since the middle of the century. It is difficult to believe that, as late as 1843, the bearer system was still in existence in the east of as 1843, the bearer system was still in existence in the east of Scotland, in connection with the edge seam workings, but such is the case. It was in this year that female labour in mines was abolished, and we know from the reports that many of the females were employed in carrying coals to the surface in baskets on their backs. This degrading method of conveyance was not common, but in many collieries the arrangement were crude and antiquated. Baskets were filled at the working face, and after being dragged to the main roads were lifted on to wheeled carriages by means of creares or otherwise, and taken wheeled carriages by means of cranes or otherwise, and taken to the shaft bottom. From these carriages the baskets were swung on to chains or ropes and conveyed up the shafts. Horse gins were still used for winding in some places. Where steam-engines were in use; sometimes a single engine was used for winding from as many as six shafts. This was notably the case in Staffordshire, and was the cause of many accidents. Guides in shafts were by no means universal, and cages were not always

(To be continued)

### CORRESPONDENCE.

We wish it to be understood that we do not hold ourselves responsible for, and do not necessarily endorse, the opinions of correspondents. All comions must be accompanied by the names and addresses of the senders. though these need not necessarily be published.

#### COMPLETE AND CHEAP GOLD EXTRACTION.

TO THE EDITOR OF "THE MINING JOURNAL."

SIE,—Mr. Louis hasirediscovered what was long ago known—that gold is not dissolved by S<sub>2</sub> Cl<sub>2</sub> in water. If he will condescend to follow the Zymean metallurgy and use salt water nearly saturated he will get a very different result. Gold leaf is not the best form to use; powdered gold such as heraldic artists use is better, but even then this partially dissolved gold is in the form of a brown magma, which will not filter reddir, until a small greated or intent of add is introduced. filter readily, until a small crystal of nitrate of soda is introduced when the soluble auric terchloride is instantly formed. In this experiment heat must be used as with nitric acid or nitro-hydroexperiment heat must be used as with nitric acid or nitro-hydro-chloric acid (aqua regin), for it is not a sulphide ore of gold, but a pure metal that is being treated, and, consequently, the intense chemical heat then generated and kept up is not to be expected where no great quantity of  $H_4$  SO<sub>4</sub> can be formed by the dissociation of the ore and of the elements of water with a production of free expects and free hydrogen, eventuating in a constant stream of nascent chlorine, which attacks all the metals present. This chlorine, of course, sooner or later, combines with the hydrogen liberated from the water, and forms bines with the hydrogen liberated from the water, and forms hydrochleric acid gas in abundance.

hydrochleric acid gas in abundance.

But this experiment does not properly simulate what goes on with really refractory ores in the Zymean process, and is, therefore, of comparatively minor interest. Seeing is said to be believing, but it takes no little study to understand thoroughly what can and does take place in a process which some of the highest authorities in England have pronounced to be a "new metallurgy," capable of advantageously replacing everything but

lead smelting, and even that where blende is also present on account of the losses of the precious metals which there occur. It will be obvious that when water is separated into its elements, the free oxygen is just as available for the making of chlorine as if it were produced by means of manganess dioxide, and that from  $H_4$  SO<sub>3</sub> another atom of oxygen will give  $H_3$  SO<sub>4</sub>, which will, as usual, act on the salt (Na Cl) to produce nescent chlorine. This, there is no doubt, will dissolve all the metals much better than hydrochloric acid, necessarily dilute, in the presence of large quantities of water.

It is a cheap process, carried out with cheap plant. It is not only a "total gold extraction" process, but a total metal and metalloid extraction process, and can be carried out at the mine as conveniently at 6000 or 7000 feet above sea level as on the seashore, and to the great profit of the mine owner.— M. TWEEDIE,
Major-General.

- The cheques in payment of the dividend of No. 16 cf 50 per cent, have been posted to shareholders of the Crown Reef Gold Mining Company (Limited) registered on the books of the company at March 31.

The HAURAKI GOLD MINING COMPANY (LIMITED) has declared a dividend of 1s. per share, free of income tax, payable on and after 24th instant.

#### PARIS LETTER.

The proposed new tax on investments.—Further activity in Gold Mining.—French interests in the Transvaal.—Heavy demand for Kaffirs.—Improve. ment in Copper.

THE difficulties that have stood in the way of a recovery in mining investments for so long a time past are being rapidly overcome, and the general position of these securities would be entirely satisfactory if it were not for the threatened imposition of the new tax upon revenue. Since the Government of M. Méline showed a disposition to take up the legacy of the late Ministry, and add a further burden to the financial integrate of this country, all classes of investments have been circular to the financial integrate of this country, all classes of investments have been legacy of the late Ministry, and add a further burden to the financial interests of this country, all classes of investments have been seriously affected, and would doubtless be much more so if the great financial bodies had not shown themselves determined to resist the proposal to the utmost. For the moment there is some hope of the new project of law being defeated through the split that has taken place among the supporters of the Bill. Some would like to see the new tax applied to the revenue from every class of security, both home and foreign, but there is a very strong body which refuses to to the revenue from a very strong body which refuses to sanctin the application of the tax to foreign stocks. They ur, s that such a tax would not be feasible, as the French investor would simply avoid the impost by dealing in shares on the foreign exchanges, and thus the business would be almost entirely transferred from Paris to London. This argument has appealed with some force to the framers of the Bill, who are now considering the ways and means of preventing investors from evading the tax in the manner suggested. It is not easy to imagine any expedient for compelling investors in foreign securities to pay any further addition to the revenue of the State, and the decision of the Commission is being awaited with a good deal of interest,

Apart from this drawback, all descriptions of mining investments are in a much more favourable situation than for a long while past. During the late quietude the different financia syndicates have been preparing for the inevitable recovery by giving attention to the most likely gold-bearing district, such as Coolgardie, Siberia, and California, and when the reports of engineers sent out to study the resources of these auriferous territories are to hand there is almost certain to be a great deal of activity in the floating of new companies. So far, nearly all the money for the various undertakings that have been launched in Russia and elsewhere has been provided by the leading capitalists and syndicates themselves. They did not consider that talists and syndicates themselves. They did not consider that the moment was opportune in the then state of the market to invite the public to participate in these undertakings, and they were so much convinced of the future of the mining industry that they were quite ready to take all the risks of the preliminary work. Now that the market has recovered the promoter will no doubt make haste to invite subscriptions from investors who are showing such a strong partiality for mining enterprises of all descriptions. At the same time, the public are likely to display a much greater discrimination between the good and bad ventures than they have done intherto. The supposed failure of the Watana Mine has made investors exceedingly cautious in accepting the glowing accounts of company promoters without any solid experi made investors exceedingly cautious in accepting the glowing accounts of company promoters without any solid expert opinion to back them up, and even the splendid promises held out by the Suberbieville Gold Mining Company fail to awaken any more than an average interest in the success of this undertaking. The investor, as apart from the speculator, will nowadays take no risk, and his preference for shares is founded upon the dividend-paying capacity of the mines. He is, moreover, protected to a great extent by the brokers themselves, who are taking very stringent measures to prevent the market being flooded by worthless scrip, and it is reported that a powerful syndicate is now being formed with a view of proceeding against those concerns that have no legal standing in the market. The amount of French capital invested in the Transval has become so enormous that the leading syndicates are leaving nothing undone to increase the direct representation of French

nothing undone to increase the direct representation of French shareholders upon the boards of the different companies. At present nearly all the concerns in which the French are largely interested have consented to admit members of the Banque Trangaise de l'Afrique du Sud as directors, and this week three more nominations have been made. These are MM. de Catelin, Biver, and Lemercier, the first-named being director of the Johannesburg branch of the "bank" and the others engineers, and the companies to which they are accredited are the East Rand, Jumpers, and Wemmer respectively. The guarantee which is thus afforded to the French shareholders that their interests are well belief of the first in design are well to words. which is thus afforded to the French shareholders that their interests are well looked after is doing a great deal towards strengthening confidence in South African shares, and judging from the way in which the French have held to their Kafir shares through good and evil report, it is likely that they will continue to receive more consistent support here than elsewhere. The "banks" are also increasing their holdings very heavily by taking up have also increasing their holdings very heavily by Exploration Company have purchased the interest of Mr. S. Neumann in the Marie Louise Mine, which thus becomes a purely French undertaking. One or two other of the Transvall mines are opening up agencies in Paris with French directors, and it is evident that the part played by France in the development of the Rand will be an increasingly important one.

of the Rand will be an increasingly important one.

As was to be expected, the clearing up of the political trouble in the Transvaal has immediately been followed by a heavy demand for all descriptions of Kaffir shares. While investors have been holding on to their shares in spite of the persistent "bearing" manceuvres of the past few months, speculators have been biding their time, and intending to launch out on the market directly the release of the Pratoria prisoners relieved the industry of the strain of uncertainty that was weighing upon it. As soon as the news became known the was weighing upon it. As soon as the news became known the brokers were overwhelmed with a sudden rush of orders to buy, and some of them have more commissions in hand even than In several cases during the speculative fever of last autumn. In several cases prices were forced up 20 francs and 25 francs in one day. The inflation was so sudden that every attempt was made to check it for fear that a further collapse would take place, and though the excitement has simmered down somewhat, the upward movement has continued with little interruption. East Rands, Ferreiras, Gold Fields, and other speculative shares benefitd most from the heavy demand, while buyers here took up nearly all the large blocks of Chartered that were off-loaded from London. On Thursday a large huginass was done in all the leading on Thursday a large business was done in all the leading shares, and prices further advanced a few points, but as the rate of progress is now rather slower, there is every probability of its being maintained without any serious reaction. Prices are still rather higher than those cabled over from London, and on Thursday the leading shares were dealt in at the following quotations:—Buffelsdoorns. 78 frances. Chartereds, 107 frances. quotations:—Buffelsdoorns, 76 francs; Chartereds, 107 francs; 50 cents; East Rands, 206 francs 50 cents; Ferreiras, 527 francs; Gold Fields, 340 francs; Kleinfonteins, 101 francs; Randfonteins, 85 francs 50 cents; Robinson Mine, 243 francs; Robinson Bank, 164 francs; Shebas, 54 francs; Simmer and Jacks, 540 francs; and Transvaal Consolidated, 63 francs 50 cents.

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The steady rise in the value of copper is one of the principal satures of the metal markets this week. In certain circles the novement is set down to speculation, but, if so, it is based upon real improvement in the world's consumptive needs. features of the metal markets this week. revival in the engineering industries has naturally largely increased the requirements in copper, and as the The level largely increased the requirements in copper, and as the limited production within the past year or two has kept stocks within reasonable limits the renewed demand has had the effect of at once firming up prices. The first stimulus to activity was given by the heavy purchases of copper for Germany, where the supplies of metal in reserve are wholly insufficient for the current needs. The electrical and engineering branches are so fully employed that an enormous amount of copper is going into consumption, and as these industries are copper is going into consumption, and as these industries are assured of plenty of work for several months, the revival that assured of pickey of work for several months, the revival that has taken place in the metal must be sustained for some time to come. Investors here are so convinced of the future of copper that there has been an increasing demand during the past few days for shares in the copper mining companies, and applicable those in Spain. especially those in Spain.

### MINING IN CORNWALL

AND DEVON: NOTES ON MINING IN THE WEST.

(FROM OUR OWN CORRESPONDENT.)

THERE is very little news of any consequence in connection with Cornish mining this week, though the feeling that we are, as the Chairman of Wheal Grenville put it on Tuesday, "on a finge of a revival in tin" is growing in spite of the easier tendency of the metal in the earlier part of the week. Mr. Goold devoted a large part of his speech to the probabilities of the tin market, and from whatever sources he obtains his information there is a wonderful similarity in the conclusions to which both he and Mr. Strauss come to, and as the latter gentleman expressed at Polberro meeting last week. Although there may be some little reduction in the output it is obvious, in view of the fact that tin is by no means so scarce as it once appeared to be, that if any substantial advance in price is to be obtained, it must be by the stimulation of consumption. That process of expansion appears to be going on now, and all the indications are in favour of its continuance and in equal if not greater proportion. As new countries are being opened the indications are in favour of its continuance and in equal if not greater proportion. As new countries are being opened ap so they must form new markets, for tin in some form or other is quite a necessity of civilisation. The possibilities of a market for articles of tin manufacture in South Africa, for instance, are immense, and the opening up of China should also offer facilities for an increased output. It does seem somewhat strange that with the tin-plate industry and the Cornish mining has not taken place between representatives of them in the hope of opening up some new markets. Concerted action in this direction might lead to some advantage to both South Wales

SPEAKING of Mr. Goold reminds us that Wheal Grenville meeting on Tuesday was by no means disappointing, though the shareholders were unable to carry away any of the fruits of the labour of their servants. But it can scarcely be disappointing to shareholders to have to forego profits with black tin at an average price of £37 throughout the quarter. There is no question as to the value of Wheal Grenville, and, although Mr. Goold has the reputation of possessing a very sanguine temperament, it is felt in Cornwall that the manner in which he speaks of his favourite mine is fully justified by the indications. We of his favourite mine is fully justified by the indications. We would, however, urge upon the committee to follow up the remarks of their manager in the provision of further rock-drilling machinery. Time is money in mining more than anything, and if by boring machinery certain points of importance can be reached earlier, the machinery will, time after time, save its prime cost. Instead of the two drils which they have now, such a large and progressive mine as Grenville ought to possess an air compressor equal to the fine machinery at Carn Brea, to which we have several times abluded, and it is to be hoped, for the sake of the property, that the committee will see their way, at a very early date, to recommend the erection of the machinery. If Grenville was a Limited company, this is an expense which could fairly be charged to capital, and for which capital could easily be raised. Indeed, we suggest to Grenville whether the formation of a big Limited company to take West Frances and South Con-durrow would not in the near future be worth consideration.

The Wheal Agar and East Pool business drags on, much to the chagrin and vexation of most people. Mr. Strauss has again taken up the cudgels, and in a letter which is generally commended, uses some straightforward language. He threatens that unless arbitrators are appointed within a given time he will decline to further work the engine. The result of the letter was that within 24 hours of the publication of it East Pool committee had met and appointed Captain Josiah Thomas, J.P., as their arbitrator. So far as we know at the time of J.P., as their arbitrator. So far as we know at the time of writing, Wheal Agar had not named anyone, but possibly they would agree to accept Captain Thomas, and leave the whole thing in his hands. Anyhow, there ought now to be no difficulty in the matter. If there is, certain people will know how

THERE is not much doing in Dolcoath, but the present pro THERE is not much doing in Dolcoath, but the present proprots of the mine are so excellent that these shares are bound
lofed the influence of the improvement as soon as it manifests
itself. They have restarted the sinking of Williams' shaft, the
bricking of the portion already sunk being now completed. The
work will be pushed on with more vigour than ever by rock
drills. Stray Park shaft is also being sunk, and important derelopments in this part of the sett are confidently anticipated.
The tenders for a year's supply of coal—10,000 tons—were recived on Wednesday, but will not be considered until the next
meeting of directors. This is a new departure at Dolcoath. and is likely to increase public confidence in the management.

No part of Cornwall has been harder hit by the depression than the once flourishing Breage and Germoe district, where Whal Vor, Great Work, and other celebrated mines once rivalled Dolcoath itself in richness. Now, the solitary mine at work is Wheal Metal and Flow, where operations are on rather a small scale. It is rumoured, however, that the often-tepeated attempts to secure capital for the re-starting of Great Work have at last been crowned with success, and that this once famous mine will shortly be added to the list of "going concerns." A promising improvement in the 200 level going west in Wheal Basset is reported.

The following particulars are published for public information only,

#### THE INVICTA GOLD MINES, LIMITED.

(WILD HORSE CREEK, BRITISH COLUMBIA.) Registered under the Companies Acts 1862 to 1890.

Capital £100,000, in 100,000 Shares of £1 each. Of which 15,000 are set aside for Working Capital.

> Issued Capital . . £95.607.

DIRECTORS.

EDWARD RAWLINGS, Esq., Director of the Woodstock (Transvaal) Gold Mines (Limited).

JOHN W. HARKER, Esq., Director of the Transvaal Exploring Company

(Limited).

RICHARD PEARCE, Esq., Director of the Lydenburg Minerals Exploring Company (Limited). A. E. WALTON, Esq., F.G.S., M.I.M.M.

BANKERS.

MANCHESTER AND LIVERPOOL DISTRICT BANKING COMPANY (LIMITED),

SOLICITORS. Messrs, WAINWRIGHT and CO., 9, Staple Inc., London, W.C.

AUDITORS,
Me:srs, JACESON, PIXLEY, BROWNING, HUSEY and CO.,
58, Coleman Street, London, E.C.

SECRETARY AND OFFICES.

Mesers, 36, Coleman Street, London, E.C.

SECRETARY AND OFFICES.

F. J. WARNER, Esq., 25, Abchurch Lane, London, E.C.

The Company has acquired and commenced working upon the following gold mining claims - vis.: Ah Chow, Jerome Stanley Evans, Schroder, Fun Yel, Ah Yow, Wing Kel, Goo Quong, San Qui, Perseverance, and Griffiths, together with extensive water rights situated on the Wild Horse Creek, British Colmbia, and held direct from the Government of that province.

The Wild Horse Creek is well known for the richness of its gold placers. In a work on "British Columbia, its Present Resources and Future Possibilities," published in 1833 by direction of the Provincial Government, it is estimated that gold to the value of \$10,000,000 has been obtained therefrom.

The property acquired by the Company comprises a continuous bank of auriferous gravel, about a mile in length, estimated to contain at least 20,000,000 cubic yards of gravel. The value of this gravel, taken on the basis of the past workings, should produce from 2d, to 2s, and upwards per cubic yard.

Large amounts were expended, before the purchase of the property by this company, for the establishment of dams, ditches, water funnes, pipes, sinces, buildings, &c., which will be available for future working. The main ditch, 4½ miles in length, is capable of delivering 1000 miner's inches of water per day, at a height of 400 feet above the lowest level of the gravel bank.

A special feature is that the water rights practically command the water supply of the whoic creek.

It is intended that the company shall carry on operations on an extensive scale by enlarging the main ditch to a capacity of 2000 miner's inches of water per day, and providing a further complete sand powerful hydraulic plant of the most approved pattern, which will engble the natural advantages of the property to be utilised to the fullest extent, and the separation of the gold from the gravel to be effected in the most economical manner. It is also intended to erect further electric ligh

pence) per yards. Buch an output, say over 700,000 cubic yards in a working season, at the above estimated yield, should give handsome dividends to the shareholders.

It is well known that hydraulic mining is the cheapest form of mining. No expensive machinery is required, and the operation of extracting the gold involves a comparatively small cost for labour and works. Experience on Californian mines has proved that gravel yielding only 5 cents of gold (equal to twopence) per cubic vard can be worked as a profit with the near of gravel to be worked, and with the natural advantages which exist on this property, there appears to be every prospect of a profitable fature for the Company.

Sufficient working capital has been provided for the necessary machinery and for executing the proposed new works.

In additional to the aurilerous gravel banks referred to, it is belisted that a deep lead, or channel, exists at a depth of from 30 to 40 feet below the present workings, similar to the deep leads of California, which have proved to be so phenomenally rich. It is impossible to determine at present the value of the deposit which may be found in such a channel, but it would probably be safe to estimate it as richer than that of the bank now exposed. At a comparatively small cost a shaft could be sunk at a point which has been indicated by Mr. Beatson, and a runnel run east and west crosscutting the channel from which the deep lead, as a shaft could be sunk at a point which has been indicated by Mr. Beatson, and a runnel run east and west crosscutting the channel from which the deep lead, as its existence may add largely to the revenue of the Company.

There is an abundance of timber on the property, available for religion pure.

Company.

There is an abundance of timber on the property available for mining purposes, and labour can be obtained at moderate rates.

The above statements are based upon the report of Mr. J. A. Skertchley, F.R.G.S., C. and M.E., and Mr. Bestoon, supplied by the vendor to the directors. A copy of Mr. Skertchley's report can be obtained on application at the offices of the Company.

Since the Company acquired possession of the property, Mr. A. D. Mitchell has been installed as manager, and has reported very favourably to the Directors thereon.

thereon.

Operations have already been commenced, having for their object the immediate resumption of working with the existing plant, pending the completion of the additional work.

#### HANNAN'S DEVELOPMENT AND FINANCE CORPORATION, LIMITED.

HE following circular has been issued to the shareholders:—
Although this corporation has been at work barely 10 weeks, your directors have been able to secure so many important and valuable mining interests in the Hannan's district, that they consider it advisable to take the opportunity of sequainting the shareholders with the very favourable prospects of the corporation. Although but a very short time has elapsed since the corporation was formed, there has been a large amount of development work effected upon Hannan's, more than justifying the expectations which the directors put forward in the prospectus. It is now generally believed, in well-informed quarters, that the Hannan's Gold Fields will turn out to be by far the richest auriferous deposit in the whole of West Australia, and your directors congratulate the shareholders that they have been so successful in securing properties in the very heart of the most valuable portion of Hannan's, as may be seen on reference to the map sent herewith. Steps have already been taken to transfer three of the leases acquired, and some subsidiary companies to take over these properties have and some subsidiary companies to take over these properties have already been registered. As the corporation was only incorporated so recently as March last, your directors venture to think that the shareholders will appreciate that the corporation has been kept well ahead of the rapid developments which have taken place

well shead of the rapid developments which have taken place in the Kalgoorlie District.

Hannay's North Crosus—This is an exceptionally well situated property, on the direct line of the Brownhill lode, and adjoins the northern boundary of the well-known Crosus Mine. Since your directors were fortunate enough to secure this property, the shares of the only mine intervening between the Crosus and the Brownhill, namely, Crosus South United, have advanced to 200 per cent. premiam. It has been proved that the Brownhill lode extends throughout the Crosus South United, Crosus, and also the property acquired by the North Crosus. As will be seen on reference to the map, the whole of the surrounding properties are well-known ventures, the shares of all of which are already standing at considerable premiums on the London market. The long expected crushing return from the Browthill Mine

the ton, an output likely to be exceeded when the machinery is in full working order. On the Crossus, trial crushings have rethe ton, an output likely to be exceeded when the machinery is in full working order. On the Crosus, trial crushings have resulted in as much as 20 ounces of gold to the ton. Captain Oats, reporting on the Crosus, says:—"There is no question in my mind that your mine will stand in the first rank among the gold-producers of this district. I have no hesitation in saying that with proper management you will have a mine that will yield good profits to the investor." Your directors, in quoting the opinion of this well-known authority, would especially point out that, if so strong an opinion can be expressed regarding Hannan's Crosus, it must also apply in equally strong terms to the property in which your copora-

especially point out that, if so strong an opinion can be expressed regarding Hannan's Crosus, it must also apply in equally strong terms to the property in which your coporation is interested. Hannan's North Crosus will be issued immediately, and from the way developments have opened up, your directors are of the opinion that it will be wise to retain as large an interest as possible in the shares of this company. Hannan's Reefs.—Lease No. 1583 E is another mining lease of 22 acres in extent, for which a subsidiary company has already been registered with a capital of £120,000, and will be issued at any early date. This property lies on the eastern side of the Hannan's Gold Belt, and adjoins the Brown Hill North, which was recently floated on the London market. The reports on the Brownhill North amply confirm the very favourable opinions which have been formed of this lease, and there can be little doubt in the opinion of your directors that this property will turn out equally valuable with the successful venture which it now adjoins. As will be seen on reference to the map, this and the three adjoining blocks lie well within the developed area, and from the fact that claims are taken up all round it, shareholders may be assured that this lease will not belie the favourable opinions which have been formed on the developments already effected. The area of the property is sufficient to ensure a long life to the mine, and the trial crushing of stone taken from the lodes which must be extensions of those running through Hannan's reafs. and the trial crushing of stone taken from the lodes which must be extensions of those running through Hannan's reefs, must be extensions of those running through Hannan's reefs, points, in the opinion of your directors, to a very definite and successful issue for this corporation. Mr. H. W. Taylor, in a recent report on the adjoining property, the Brownhill North, stated that it contains 11 known lode formations, one of which is upwards of 25 feet in width. Mr. George Grey, referring to the water supply of this property, says:—"There will be a very large supply of water available for distribution at a low cost for the mines in the locality, and you should be able to obtain sufficient for 20 heads of stamps." Such a number of stamps working on Hunnan's reefs would be able, if employed for only a few months of the year, to secure very large dividends for the shareholders in this property, and benefit the shareholders in Hannan's Development and Finance Corporation (Limited) to a proportionate degree.

HANNAN'S GIFTS GOLD MINES, LIMITED (Capital £110,000).

This company is the third subsidiary undertaking which has been formed to take over the block of 18 acres comprised in Lease 1282, and is really an extension of Hannan's Reefs. The remarks which we have made in respect of Hannan's Reefs remarks which we have made in respect of Hannan's Reefs would also apply in equal strength to Hannan's Gifts, and we think that this property is as promising a one as any which the corporation has acquired. A very large amount of development work has been effected close to the western boundary of this mine, and amply justifies the favourable opinion which your directors have formed of the property. It lies within 30 or 40 chains of the famous Brownhill Mine, in a south-westerly direction, and consequently all properties in this district, on the success which has attended that venture, have received much more attention than on any other part of this wonderful gold field.

Your directors still retain leases 1493 E, 1763 E, and 13297 E. Your directors still retain leases 1493 E, 1763 E, and 13297 E. which it is proposed as soon as opportunity occurs, to transfer to subsidiary companies. These three blocks adjoin the properties referred to in the two preceding paragraphs, and your directors consider that in these leases the shareholders have an exceedingly valuable asset. Either of these leases can be sold right out to pay very handsome profits. Lying to the north of the town of Kalgoorlie are two claims owned by the corporation, having a total area of 24 acres. Both these properties are on the main lips of the Raulder reef and from their arcsed. the town of Kalgoorlie are two claims owned by the corporation, having a total area of 24 acres. Both these properties are on the main line of the Boulder reef, and from their exceedingly promising position should also be a valuable acquisition. The railway to Menzies will pass close by these leases, and consequently the cost of freight on mining plant and supplies will be considerably reduced. The whole of the leases north of Kalgoorlie are opening up remarkably well, and as the main reefs have been proved to continue 5 miles north of the town, there can be little doubt as to the future of these leases. Advices from Mr. R. Byass, the well-known mining expert, to whom your directors referred for an opinion on these properties, are unanimous in favour of their acquisition, and from private advices received from that gentleman, both by cable and letter, your directors are cuite satisfied that they have secured for the shareholders in this corporation two properties which will compare very favourably with any other of the well-known mines that have been opened up north of the Kalgoorlie township. The flotation of any one of the properties will result in a very substantial cash profit to this corporation, and your directors feel that they are justified in believing from the forward state of the negotiations for sale that they will be in a position to pay an interim dividend at a very early date. With the proposal of the further block in respect of which companies have already been formed, a still more favourable position will have to be attained for your corporation; but enough has been said to prove to shareholders that the expectation of large and profitable returns contained in the prospectus will be more than realised. In summing up the position, your directors feel that they have done all that was possible to make the shares of this corporation a valuable and improving investment, and equal to any contained in the list of similar enterprises incorporate in the prospectus of this corporation, which have been es to any contained in the list of similar enterprises incorporate t in the prospectus of this corporation, which have been established for a much longer time. Your directors are certain, from the unqualified success which has attended their efforts hitherto, that the shareholders will reap from the investment quite as substantial profits as in any of the companies already referred to referred to.

The deferred shares of Hannan's Development and Finance Corporation are already largely dealt in at 5\frac{1}{2}d. or a premium of £4 15s. per £1 share, and with the large amount of premising business in hand and on offer, the shareholders of the corporation may regard regular dividend returns as certain, whilst the large holding which this corporation will retain in the share of its subsidiary issues will also ensure further substantial profits. At and this corporation will retain in the share of its subsidiary issues will also ensure further substantial profits. At the four-monthly (or statutory meeting), notice of which will be sent to you, the directors are pleased to say that they anticipate being in a position to declare a substantial dividend, which will be satisfactory to the shareholders, an event which is seldom, if ever, consummated within four months of registration of a company, and a few months of the commencement of work. By order of the Record & Mogreet extract. of work .- By order of the Board, 5, Moorgate-street Buildings,

at anding at considerable premiums on the London market.

The long expected crushing return from the Brownhill Mine the gold obtained during the month of April last, which realisted \$34,814 16s 76

The numbers are published of the first mortgage bonds of the Nithate Railways Company (Limited), which have been drawn for redemption at the rate of 105 per cent. on July 1 best, when the aforest thereon will coase,

#### LATEST FROM THE MINES.

#### CABLEGRAMS AND TELEGRAMS.

APPANTOO.—During the month of May mill crushed 570 tons quartz, yielding 376 ounces gold. Milling delayed owing to shortness of steam power.

BALAGHAT MYSORE.—The directors have received the

BALAGHAT MYSORE.—The directors have received the ollowing cablegram from Mr. Richards:—"268 ounces of gold obtained from 2700 tons of tailings."

BONNIE DUNDEE.—Cablegram from Charters Towers:—
"We are making good progress with the No. 3 vertical shaft. Have sunk 24 feet during the fortnight, making a total of 1300 feet from surface. We have 600 tons of quartz at grass, estimated to be worth 30 dwts. per ton. Shall soon start to crush."

BURMA RUBY MINES ..- The result of the mining for the month of May was 18,000 loads washed, producing rubies valued

BARRETT.-The manager cables per 3rd inst. :-500 ounces. New machinery will be at work about June 20."

BARRETT GOLD,—The manager cables per 3rd inst.:—

"May gold 500 ounces; new machinery will be at work about June 20."

BALAGHAT MYSORE.—The following cablegram has been received from Mr. Richards:-" 268 ounces of gold obtained

received from Mr. Richards:—"208 ounces of gold obtained from 27,000 tons of tailings."

BIG BLOW.—Translation of cable received from Mr. W. M. Vivian, mines manager, June 5:—"Total amount crushed 106 tons—81 ounces of gold. Average sample of tailings 10 dwts. per ton, very nearly."—Note by the secretary. The amount of the return is not unsatisfactory, as indicating the total value of the quartz, but it cannot be considered satisfactory as a supplementation of the considered satisfactory. total value of the quartz, but it cannot be considered satisfactory as regards extraction. The manager explains as the reason of the large amount left in the tailings, that this has been caused by the water getting slimed by repeated using, consequently the gold did not properly amalgamate. There is nothing of a refractory character in the nature of the ore, it being free milling, and no special process of extraction is necessary, all that is required being a sufficient water supply. CHAMPION REEF (Nannine, W.A.)—Cable received from local secretary, dated Melbourne, June 2:—"The resident manager's report northern outcrop developments superior last week. Free gold freely visible to the eye."

COROMANDEL.—Telegram from the mine dated Jnne 2: "Have struck the lode at the bottom of Prospect shaft 3 feet, assaying 1½ ounces per ton"; also a telegram from the mine

assaying 1½ ounces per ton"; also a telegram from the mine dated June 3 giving last month's return of gold as follows:

"1150 tons of quartz produced 580 ounces of gold."

CHAMPION REEF.—The London office has received a telegram from the mine, dated June 4, giving last month's return of gold as follows:—"5980 tons of stone produced 6229 ounces of gold; 2010 tons of tailings produced 510 ounces of gold; total production for the month, 6739 ounces of gold."

CASSEL COAL.—Output for May 18,500 tons. Reduction is catalytic of sailes, transport.

in output owing to difficulties of railway transport.

CHIAPAS.—Copy of cable received from mine manager,
June 4:—"During May the concentrating mill ran 11 days;
623 tons of ore were crushed, yielding 21 tons of concentrates.

The Star Mill ran 16 days; we did not clean up; have stopped owing to want of water. Rainy season has commenced."

CONSOLIDATED GEM.—Manager cables:—"I have found good ore in new shaft. There is manifest improvement in the

mine."

DAY DAWN BLOCK AND WYNDHAM.—Cablegram from the general manager at Charters Towers gives the result of the crushing for the fortnight ending May 30 as follows:—
"Tons crushed, 1050; yield of gold, 1101 ounces; approximate value, £3850; fortnight's expenses, £1880."

DE LAMAR.—Captain Plummer cables with regard to the strike:—"Men have resumed work this morning."

DON PEDRO.—Produce for the month of May 253 ounces 12 days from 469 tons = 11 days per ton.

12 dwts. from 462 tons = 11 dwts. per ton.

DURBAN-ROODEPORT.—The following results for May have been received by cable:—"Quartz milled 9045 tons, 70 stamps, 27 days, 4069 ounces; tailings treated 6355 tons, 27 days, 4069 ounces; Taylor, 5519 ounces; Taylor, stamps, 27 days, Total 5519 ounces

GREAT BOULDER PROPRIETARY .- Crushing returns for the fortnight ending May 23, as per cablegram received from the manager this date:—"At company's own battery, Great Boulder Mine, 367 tons of ore crushed, 1289 ounces gold; at company's battery, Lake View Mine, 10 stamps, 381 tons of ore crushed, 1143 ounces gold; at public leased battery, 200 tons of ore crushed, 358 ounces gold. Total tons of ore crushed, 928; total ounces of gold, 2790."

GEM OF CUE.—The following cable has been received from the manager:—"Reserves of ore between surface and water the manager:—"Reserves of ore between surface and water 20,000 tons. I estimate value of ore at 2 ounces per ton. Everything is ready for mill. We are now opening up as far as possible. The developments of the mine fully justify the expectations which have been formed."

—GRASKOP.—Return from the mine for the month of May:
—Ore treated 417 tons, yielding 204 ounces; total yield January to May 31 1060 ounces.

GREAT REEF.—The following cable has been received from Coolgardie:—"Great Reef machinery in course of erection; they are pushing the matter forward with all possible speed.

Am leaving to-day for Webster's Find."—James Linn Sherlaw.

HAMPTON GOLD FIELDS.—Copy of cable received from

HAMPTON GOLD FIELDS.—Copy of cable received from Mr. J. M. Craze (manager), dated May 31:—"Hampton Gold ields and Swan Syndicate prospecting party pegged three more reefs Block 53.

HANNAN'S GOLDEN PEBBLES.—The following cablegram has been received from the manager, Mr. George Gray:—
"Pebbles Mine is looking well and promises better; lode in the end is 22 feet wide and carries good gold.

HANNAN'S REWARD.—The following cables have been received from the manager: No. 1 cable:—"Passed through voin third level, voin is very narrow, not over 9 inches wide, free of water,"—No. 2 cable. "Third level, last 4 feet contains 10 per cent. pyrites, 2 ounces 5 dwts. per ton."

HARMONY GOLD AND LAND. - A cable has been received from our mining manager on the Murchison range to the effect that he has again struck the reef on the Farm Coblentz, in the lower adit, which he has been driving into the hill Mashambane, at a depth of 200 feet, thus exposing a body of ore in sight which he estimates at 100,000 tons, and averaging 10 dwts. gold per ton. He adds he has water in abundance ing 10 dwts. gold per ton. He adds he has water in abundance for milling purposes, and that the cost of extraction will be very

HANNAN'S "SIR JOHN FORREST."-The following cable has been received from Mr. J. Woolcook:—"Since last report main shaft has been sunk 6 feet, total from surface 140 feet. The hardness of rock prevents rapid sinking. The eastern crosscut has been extended 9 feet, total from shaft 50 feet. At
No. 2 shaft have driven 12 feet (south) on the lode, total 85 feet.

The lode is opening up well. Have driven north 15 feet, where

the lode carries gold in paying quantities. Am sending specimens by next mail steamer. No. 3 shaft has been sunk 10 feet, total

HENRY NOURSE.—Result of operations for the month of fay:—"Crushed 7160 tons; cyanide tons treated 4930, pro-May:—"Crushed duced 6298 ounces

HOLCOMB VALLEY.—The London office have received by cable on the first of the present month the following advice from their manager:—"111 cubic yards from main tunnel, \$105; 38 cubic yards crosscut, \$90. Sinking California drifting

HUARAKI.—The directors have received the following telegram from the manager, viz.:—"Shaft is down 245 feet. No. 2 reef in the 220 and stopes above 200 opening very well. Stamps renovated and working well."

KAPANGA GOLD.—The directors have received the following the control of the control

ing telegram from the manager, viz.:—"Reefs show gold freely in the bottom of the shaft. Judging from the appearance of the reefs there is every reason to believe rich chutes of ore will be intersected after further development."

LISBON-BERLYN.—A cable has been received from the manager giving the following results for the month of May: —"Ore crushed, 2022 tons; ore treated by cyanide, 1732 tons; bullion received 737 curves; bullion received, 737 ounces."

MESQUITAL DEL ORO.—The following cablegram, giving

the result of the May mill run, has been received from the mine:—"50 stamps ran 601 hours (25 days 1 hour) and crushed 2773 tons of ore, yielding 742 ounces of bullion; value about £2460. Also copper bars, value about £85"

MYSORE.—Telegram from the mine gives the return of gold for the month of May, as follows:—"5400 tons of quartz pro-

duced 7162 ounces of gold; 4880 tons of tailings produced 1350 ounces of gold; 1845 tons of tailings (cyanide process) produced 333 ounces of gold. Total production for the month 8845 ounces of gold.

ounces of gold."

MYSORE REEFS (Kangundy),—Cablegram from the mine, dated June 5, gives the May return of gold as follows:—"244 tons of ore crushed have yielded 102 ounces of retorted gold."

MONTANA.—By cablegram from the mine, the directors are informed that the total output for May was 6300 tons of ore which contained gold 2120 ounces; and silver, 8280 ounces. The estimated realisable value of the same is \$47,600.

MACRI (Moscian) —Copy of cable received from Mr. C. J.

MAORI (Menzies).—Copy of cable received from Mr. C. J. McMahon, the managing director in Australia:—"Satisfactorily arranged a constant supply of water; it has to be brought in pipes less than a mile, the cost of pipes will be £325 laid; shall I proceed. Shaft has reached a depth of 148 feet, average assay value of ore 4 ounces to the ton."

MARBELLA IRON ORE.—The directors have received the

following telegram from the mines :- "Output of ore for May,

2336 tons."

MYSORE WEST AND MYSORE-WYNAAD CONSOLIDATED.—Tank block. The manager cables the result of crushings for the month of May as follows:—"After a mill run of 594 hours, 1400 tons, 706 ounces of gold."

MENZIES CONSOLIDATED.—Cable information is to hand from the manager at the mines to the following effect:—
"Princess Eva shaft. Hoisting engine erected; shaft enlarged down to 86 feet; I (we) shall complete this during the next week; resume sinking below the 150 feet level.—Princess Ada shaft. 100 feet deep; shall start at once to cut plat and crosscut east.—Princess May shaft. Crosscut to the east 190 feet; no change to report here; poppet heads; hoisting engine being change to report here; poppet heads; hoisting engine being prepared; tank one-third completed.—St. Albans Group, west shaft, 178 feet (deep). No change to report here. North shaft, 100 feet (deep). Have started to crosscut to the west.—Battery. Tenders are being called for. Everything continues satisfactory."—Office note. The tank referred to is to have a capacity, sen completed, of over 1,100,000 gallons.

MOUNT MAGNET.—The Fulton 20 stamp battery, engines,

boilers, stores, &c., have been delivered at Cue, and the directors have completed the payment of the purchase money. Captain Richard Piper, the company's general manager, is taking active steps to transport the machinery and erect it at the company's

mine.

MYALL'S UNITED.—The 20 stamps running 10 days crushed 160 tons, yield of retorted gold 162 ounces; the clean up was from a fair average sample of stuff. The mine manager has already commenced to stope at the lowest level. In consequence of the heavy rains there is a good supply of water for 12 months. The main shaft has been sunk to a depth of 212 feet; the mine looks exceedingly well. It will undoubtedly become a very valuable property, and will not require any more money.

MYSORE GOLD.—The directors have received a telegram an isothe GOLD.—The directors have received a telegram from the mine giving the return of gold for the month of May as follows:—"5400 tons of quartz produced 7162 ounces of gold; 4880 tons of tailings produced 1350 ounces of gold; 1845 tons of tailings (cyanide process) produced 333 ounces of gold; total production for the month, 8845 ounces gold."

NEW CHIMES.—The return for April is as follows:—" 40 tanger graphy: 3824 tons of one yielding 1880.

stamps ran for 24 days, crushing 3824 tons of ore, yielding 1380 ounces gold, and 36 tons concentrates, yielding 175 ounces of gold. 2620 tons tailings yielded 208 ounces 10 dwts. gold."

NEW CHUM (Bendigo).—The following cable has been received from Mr. L. A. Samuels, the manager:—"Since last

report main shaft has been sunk 14 feet, total from plat 57 feet and from surface 609 feet. Shall open out the reef in a fortnight (June 14)."

NEWHOUSE TUNNEL.—The following cable has been ceived from Denver : -" We have driven during the past month

NUNDYDROOG.—The directors have received the following cablegram from their superintendent, viz. :-" mill, the result of the trial is very sat sfactory. Milling delayed

NUNDYDROOG.—The London office has received a telegram NUNDY DROUG.—The London office has received a telegram from the mine, giving the return of gold for the mouth of May as follows:—" 2750 tons of quartz produced 3384 ounces of gold; 700 tons of tailings produced 187 ounces of gold; total production for the month, 3571 ounces of gold."

OOREGUM.—Telegram from the mine dated June 3 gives last month's return as follows: "5012 tons of quartz produced

18st month's return as follows: "5012 tons of quartz produced 5051 ounces of gold, 5081 tons of tailings produced 978 ounces of gold. Total production for the month 6029 ounces of gold. The superintendent adds that the total quantity of stone passed through the mill was 5956 tons. Of this he estimates that 944 tons was country rock intermixed with quartz. He has been instructed that in future he must telegraph the gross

OMEO GOLD MINES OF VICTORIA.-The following cablegram has been received from the manager of the mines: "West vein assays from 2 to 8 ounces gold to the ten."

"West vein assays from 2 to 8 ounces gold to the ton."

PICK O'THE FIELD (Bendigo).—Mr. L. A. Samuels, the company's manager, cables that full equipment of machinery has been purchased, and it is now in course of crection.

QUEEN CROSS REEF.—Cablegram from Charters Towers, dated May 30:—"Final clean up from concentrates 135 ounces, making a total of 632 tons croshed for a return of 1889 ounces of cold. Approximate value 6500."

(2000 lbs.) of ore, 6820 ounces; 3350 tons (2000 lbs.) of tailings, 2000 ounces; 124 tons (2000 lbs.) of concentrates, 1204 ounces; total 10,024 ounces. The mill ran 29 days; no change in the character of the rock. Shut down for repairs, water racs. The general manager reported, under May 9 (received June 1), that the repairs to the water race would not cause a delay of

that the repairs to the water race would not cause a delay of more than three days.

ST. JOHN DEL REY.—The following telegram has been received from Mr. Chalmers:—"Produce 10 days, second division May, 9500 cits., equal to 1095 cunces troy, value £3681, yield per ton 5:3 cits. (\*61 cunces troy."

SOUTH BENDIGO GOLD MINES.—Since last report main the court of the court

SOUTH BENDIGO GOLD MINES.—Since last report main shaft has been sunk a further depth of 30 feet, total from plat 40 feet, and from surface 832 feet.

SOUTHERN NEW CHUM (Bendigo).—Since last report main shaft has been sunk 8 feet, total 200 feet. Have cut and timbered full sized plat at 160 feet. Also crosscut to lote, which is about 8 inches in present face.

STANHOPE.—Last month's crushing yielded 920 ounces.

TAMWORTH GOLD.—Cable message from managing director, Tamworth, New South Wales:—"10 stamps running two days, crushed 7 tons; yield, 32 ounces of gold.

VICTORIA GOLD MINING ASSOCIATION.—The following cablegram has been received at the London office:—"153

ing cablegram has been received at the London office:—"153 tons crushed, yielded 667 ounces gold."

WAIHI GRAND JUNCTION. — The manager cables, May 30:—"Grand Junction engine shaft is down 288 feet.

WAIHI GRAND JUNCTION. The manager capies, May 30:—"Grand Junction engine shaft is down 288 feet. Waihi West Prospecting shaft crosscut is driven 270 feet. Commenced to crosscut south."

WEST AUSTRALIAN GOLD CONCESSIONS.—The directors have received the following telegram from Coolgardie, dated May 27, and signed by Mr. A. Spencer Ellam, mining and by Commence of the Commence of th dated May 27, and signed by Mr. A. Spencer Ellam, mining engineer, the company's representative in Australia, and by Mr. Thomas E. Hardy, the manager Hannan's Golden Dyke Mines (Limited):—"Golden Dyke confirm list of assays; see report dated; impossible to determine quantity of ore in sight until crosscut to west will be completed from the 100 feet level; anticipate large body of good ore. We have every confidence! We fully believe there is a splendid future for the property. The following is a list of the assays referred to:—Shaft 1, 3 ounces 14 dwts. 9 grains. Shaft 2, 104 ounces 11 dwts. 14 grains. Shaft 3, 4 ounces 16 dwts. 23 grains. Shaft 4, 1 ounce 2 dwts. 9 grains." 14 grains. Shaft 3, 4 ounces 16 dwts. 23 grains. Shaft 4,
 1 ounce 2 dwts. 9 grains."
 WAIHI GOLD.—Bullion return for 28 days ending May 30,

£9200 from 2800 tons. WORCESTER EXPLORATION AND GOLD,—Result of

WORCESTER EXPLORATION AND GOLD,—Result of last month's crushing yielded 2444 ounces of gold.
WOODSTOCK (Transvail).—Cable from Captain Roberts,
June 3:—"Have struck reef at a depth of 400 feet.—The main tunnel. The width of reef is 25 feet, the matrix being composed of quartz and tale, and argentiferous galena. Pannings give encouraging results. Important discovery. Will send full particulars by next mail."
WAIHI CONSOLIDATED.—The following telegram has been received from the local committee in charge of the opera-

WAIHI CONSOLIDATED.—The following telegram has been received from the local committee in charge of the operations at the mines:—"The main shaft is down 70 feet; good progress is being made."

HANNAN'S NAPIER.—Cable, June 4:—"Proceeding to sink on a big auriferous formation which has been struck at a depth of 80 feet."

### COMPANY FINANCE.

Reports, Balance Sheets, Dividends, &c., of Mining and other Companies.

AFRICAN METALS COMPANY (LIMITED).

Extract from circular issued to the shareholders: In the Extract from circular issued to the shareholders; In the circular letter of December 3 last notice was given to shareholders that the final call of 5s. per share would probably be made early in the present year. In view, however, of the disturbed condition of affairs in South Africa—where the principal business of the company has been so far—your directors considered it best to postpone this matter. It has now been decided to make this last tell and the share will hencefor by fully said to make this last call, and the shares will thereafter be fully paid up. Your directors are pleased to report that Dr. Robert Goring, one of the managing directors, has consented to take up his residence in London and give the details of the company affairs his personal supervision. New offices have been secured at 3, Throgmorton-avenue, London, E.C., where all the business will be concentrated, and from which the operations of the company will be controlled after July 1. This arrangement, it it is believed, will be of benefit to the company. A great deal of attention has been devoted by your directors to the interests of the shareholders since the formation of the company. A great deal of the shareholders since the formation of the company. number of investments have been made and interests secured after careful personal investigation by the managing directors and the manager at Johannesburg, and it is anticipated that satisfactory results will in time be secured. The late troubles in South Africa have necessarily thrown much responsibility and work on the management, and limited for a time the field of operations; but it is to be hoped that with the clearing of the political horizon business affairs will become more promising.

#### THE NEW GUADALCAZAR QUICKSILVER MINES (LIMITED).

The following are extracts from a circular addressed to the shareholders:—The accounts of the working of the mine, from the time it started and the formace commenced burning ore on September 16 last, for the six months to March, having now come to hand, I am instructed by the directors to give you the following attemporary which I there is the integrating following statement, which I trust will prove both interesting and satisfactory. The amount of ore treated to the end of March has been 3,796,967 lbs., yielding 69,681 lbs. of mercury. March has been 3,796,957 lbs., yielding 69,681 lbs. of mercury. The sales of mercury to the same date amounted to \$33,965, which at 26\frac{1}{2}d. exchange yielded £3750; leaving mercury on hand (a large portion of which has since been sold) of the value of \$25,728, which, calculated at the same rate of exchange, is £2840; total, £6590. The cost of production, including all expenses in Maxico, chargeable to the reservoir and the the penses in Mexico, chargeable to the revenue, according to the mine statements, has been \$30,052, equal to £3318; leaving a profit in Mexico of £3272. Remittances from the mine to the extent of £1000 on account of this profit have already been received in London. The whole of the furnacing has been done by No. 3 furnace, and the results have been most satisfactory. The percentage of mercury recovered has been an average, during the six months, of 91 per cent., which shows that this furnace and the method of working it are most efficient. I am alled to be able to add that the content of the company in nace and the method of working it are most efficient. I am glad to be able to add that the registration of the company in Mexico has been duly completed in every respect, even including the payment of the solicitor's costs in Mexico in connection therewith, so that the company has its full legal status in that country. Any important information that may come from the mines will, at all times, be at once published.

- The books of the EAGLE'S NEST GOLD MINING COMPANY (LIMITED) will be closed on June 12, for settlement of list of share-holders for second call of 2s, 6d, per share, payable July 10.

The Sub-close of HAN In 75.

25 OCC

Working Issue of Sha Direct Grant-G Limited

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PANY hare-

The Anglo-West Australian Agency Limited, and the British mines Agency Limited, invite subscriptions for the under-

selloned issue:

\$\frac{1}{2}\text{ oco Shares}, being one-third of the whole Capital, have been set is to the provision of Working Capital (5,000 of which will be held inserve for future issue), and subscriptions for the balance of 20,000 laring been already guaranteed, the Directors will proceed to Allotaged at the closing of the Lists.

need at the closing of the Lists.

The Subscription List will open to-day (Saturday), 6th June 1896, and dose on or before Tuesday, 9th June 1896, at 4 p.m. for both Town and Country.

### JANNAN'S LAKE VIEW CENTRAL LIMITED. Incorporated under the Companies Act, 1862 to 1890. CAPITAL, £75,000, la 75.000 Shares of £1 each, of which 25,000 are appropriated for

Morking Capital.

Jame of 50,000 Shares of £1 each, payable as follows: 2s. 6d. per
Share on Application, 5s. on Allotment, 2s. 6d. one month after
Allotment, and the balance, as required, in calls not exceeding 5s.,
at intervals of not less than one month.

at intervals of not less than one month.

Directors.—Richard Irish Collier, Hawthorn, Bickley; Ernest
Gast-Govan, Director Golden Horseshoe Gold Mining Company
Limited; Edward Manby, Director Nitrate Railways Company,
Limited; Daniel Stephens, Prudential Buildings, Newcastle-on-Tyne;

\*\*Well join the Board after Allotment.

\*\*Will join the Board after Allotment.

\* Will join the Board after Allotment.

Bankers.—London: The City Bank Limited, Threadneedle Street,

E.C.: West Australia; The Bank of Australasia, Perth and Kalgurli.

Shicitors—Edwin Andrew & White, 27 Clements Lane, London, E.C.

Brakers.—E. B. Haselden & Co., 27 Throgmorton Street, London,

E.C.; Staveacre & Walton, Howarth's Buildings, Manchester; Hunter

Henderson, Mcsley Street, Newcastle-on-Tyne.

Appliors.—Monkhouse, Goddard, Stoneham & Co., 28 & 29 St.

Amidiors.—Monkhouse, Goddard, Stonenam & Co., 28 & 29 St. Spihin's Lane, E.C.

Spikin's Lane,

ABRIDGED PROSPECTUS.

This Company is formed to acquire the Mining Lease No. 282E, ide 751, about 12 acres in extent, known as "Morning Star North," a "Nil Desperandum," centrally situated in Hannan's Field, Kalgurli, thout 500 yards south of the celebrated Great Boulder and Lake View

The special features of this property according to the Reports are:—
Three parallel reefs traversing the property—
The Lake View Main Lode;
The second reef varying from 4 to 12 ft. in width, showing special to the second reef varying from 4 to 12 ft.

visible gold;
Another exceeding 6 ft. in width, also showing visible gold.
Close proximity to the best dividend-paying mines in the district—
viz.: Great Boulder and Lake View.
Developments in various shafts, crosscuts, and costeens,
Heavy deposits of alluvial gold worked on the northern and southern boundaries.

Access showing from 2 to 4 ounces of gold to the ton.

Assays showing from 3 to 4 ounces of gold to the ton.

Mining timber plentiful within 3 miles, and water obtainable at
120 feet.

Tao feet.

The terminus of the proposed Great Boulder Branch Railway will be situated within a few hundred yards.

The property has been favourably reported on by—
Robert Gibson, M.E., Consulting Engineer, Octagon Syndicate.
Brian Hooker, A.R.S.M., late Queensland Government Mineralogist, late Manager of the Lake View Gold Mine, now Manager of the North White Feather Consolidated Gold Mine.

J. H. Edols, Manager of Hannan's Proprietary Development Company Limited.

Dr. Chewings, Ph.D., F.G.S.

W. C. H. Lovely, M.A.I.M.E., and

H. Stanley Waugh, Representative at Hannan's of the British Australian Mines Agency Limited, extracts from whose reports are given below.

Mr. Gibson reports under date of 2nd March, 1896: "I am con inced that when the property is opened up that gold in payable quantities will be met with, the section being one of the best positioned claims on the Hannan's field. From my examination, I am confident that you have a continuation of the Lake View Lode traversing your property. It is a legitimate mining venture, and I can with every confidence recommend it as such, to the investing public."

of strike.

"I cannot find any break in the country between the Lake View South and the Nil Desperandum lease, therefore, it is reasonable to suppose that the lode will be met with in the Nil Desperandum when search is made for it in a systematic manner.

"A bore hole has been put down on the north-western boundary in which water was found at a depth of 120 feet."

Dr. CHEWINGS, in a report dated 16th October 1895, on the Morning Star North (Nil Desperandum) and the two adjoining leases to the south, then known as the Morning Star leases, stated as follows: "The mine is situated 3½ miles south by east from Kalgoorlie (Hannan's) town on the East Coolgardie Goldfield, Western Australia. The Lake View and the Great Boulder Gold Mines lie to the north, and are distant only 400 to 500 yards. The position is excellent, and I have little doubt that some of the lodes thereabouts converge and run through the property. The thousands of ounces of alluvial gold that have been found on and by the western boundaries of the Morning Star, shows beyond all question that a rich lode runs through that lease. The shafts now being sunk, and also the outcropping edges of certain bands of now being sunk, and also the outcropping edges of certain bands of schists, would lead one to the conclusion that the Lake View line of lode runs through the property.

"I consider this property one of the best shows near to and south of the well known Lake View and Great Boulder Mine, and the work done to the present confirms this opinion. It is excellently situated. The prospective value is great, and so far as I am able to judge, judicious and vigorous development will soon change the prospective into positive

Mr. LOVELY in his report, with plan attached, dated 1st September, 1895, stated: "Timber-Mining Timber is plentiful within three miles of the mine."

"Water.—The lease is situated only three miles from the salt lakes, whence some of the mines are pumping their water, and I think a good supply will also be obtainable by sinking a shaft below water level, which would be reached at a depth of about 120 feet."

Mr. WAUGH states in his report, dated March 3, 1896: "There are four shafts, the deepest being about 50 feet deep. This is the most favourable and most valuable lease, both as regards position and intrinsic value, left unfloated into a company in this most favoured of

any part of the West Australian Gold Fields. Having for its near neighbour the Great Boulder Mine, and probably containing a continuance of its reef and similar rich formations, but better still, having almost to a certainty the Great Lode of the Lake View running into and

In his report dated March 10 1896, Mr. Waugh stated: "The Nil Desperandum is more valuable every day. . . . I am sinking new shaft, which will go down 100 feet, and cross-cut east and west, not only finding Lake View Lode, but two other lodes, of which we have certain evidence in defined formations. Every one of any experience here agrees that you have one of the best properties ever floated in London from this district."

nd wn	vanced that when the property is opened up that gold in payable quantities will be met with, the section being one of the best positioned claims on the Hannan's field. From my examination, I am confident that you have a continuation of the Lake View Lode traversing your property. It is a legitimate mining venture, and I can with every confidence recommend it as such, to the investing public."  Mr. Hooker states in his report, dated 29th February, 1896: "Situation.—The lease is situated south of the Great Boulder and I ake View mines, adjoining the Lake view Extended on the south. The	Desperandum is more valuable every day I am sinking new shaft, which will go down 100 feet, and cross-cut east and west, not only finding Lake View Lode, but two other lodes, of which we have certain evidence in defined formations. Every one of any experience here agrees that you have one of the best properties ever floated in London from this district."  The consensus of these reports being, in the opinion of the directors, clear as to the great value of the property, they intend to push on with its development, and propose to erect, as soon as possible, a battery
ter		and all accessories for the requirements of the mine.  The following table shows the nominal capital of the most important mines in the Honor's district with the works of their capital of the most important.
est ny ny, e;	country so well, having been at one time manager of the Lake View Mine—I feel safe in forming the opinion that there is the lode in it."  Mr. EDOLS states in his report, dated March 2, 1896: "The formation of the country is similar to that found on the Lake View and also to that on the Lake View South leases, which latter is the nearest point to the Nil Desperandum lease at which the lode is being worked, there the lode is opened up for a long distance.	Great Boulder £175,000 £1 9½ 1,575,000 Lake View 40,000 7/6 7½ 800,000 Lake View South 150,000 £1 2½ 375,000 Great Boulder Main Reef 120,000 10/ 1½ 440,000 Hannan's Brown Hill 75,000 £1 6½ 487,500
et,	(477) Y 1 377 1 1 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The parenase consideration has been fixed by the vehicles, who are

point to the Nil Desperandum lease at which the fode is being worked, there the lode is opened up for a long distance.

"The Lake View lode is one of the strongest and best defined in the district, and is already opened up for some thousands of feet on the line of strike.

"I cannot find any break in the country between the Lake View South and the Nil Desperandum lease, therefore, it is reasonable to suppose that the lode will be met with in the Nil Desperandum when search is made for it in a systematic manner.

"A bore hole has been put down on the north-western boundary in which water was found at a depth of 120 feet."

Dr. CHEWINGS, in a report dated 16th October 1895, on the Morning Star North (Nil Desperandum) and the two adjoining leases to the south, then known as the Morning Star leases, stated as follows:

The domains's Golden Treasure 200,000 ... £1 ... 13 ... 325,000

The purchase consideration has been fixed by the Vendors, who are also the promoters, and who pay all expenses of and incident to the formation of the Company up to the first allotment, at £50,000, payable as to £20,000 in fully-paid Shares at par, and as to the balance of £30,000 in fully-paid Shares at par or cash, or partly in fully-paid Shares at par and partly in cash, at the option of the Directors, leaving £25,000 available for working capital, which is considered ample.

The following Contract has been entered into: (1) dated the 20th May, 1896, and made between The Anglo-West Australian Agency Limited, the Vendors, of the one part, and Herbert Cecil Grant for the Company of the other part.

The above Contract, with prints of the Memorandum and Articles of Association of the Company, and the original or copies of the Reports, association of the Company, and the original or copies of the Reports,

Association of the Company, and the original or copies of the Reports, may be inspected at the offices of the Solicitors of the Company.

Prospectuses and Forms of Application may be obtained from the Brokers, Solicitors, and of the Secretary at the Offices of the Company.

London, June 5, 1896.

## ANNAN'S LAKE VIEW CENTRAL LIMITED. (This Form may be used.) FORM OF APPLICATION FOR SHARES.

	Date18	
	Profession or Occupation	
	Address	
	Name (in full)	
	Signature	
•	to committee in the one proopering	

2,044

1,761

#### METAL TRADE STATISTICS. MAY. 1896.

COPPER.

	May 31	May. 15,	Apr. 30,	31ST MAY.				
	1895.	1896.	189€.	1895.	1894	1893.		
lings in England and France; Literpool and Swanses, Chill Bars Chill Ingots Chill Ores and Regulus (fine) Other Stuff (fine) & English Copper lades (including landing) Rects of fine Copper in Havre, Rouen, Bordeaux and Bunkirk	Tons. 26,481 194 2 1,535 939 2,600	Tons. 27,231 195 2 1,531 910 2,817	Tons. 28,265 195 2 1,965 993 2,828	Tons. 38,814 672 33 4,433 4,398	Tons. 31,664 805 78 5,186 6,046 1,001	Tons. 30,620 28 197 3,962 6,946 4,808		
o , Australia, by Mail and Cable, Fine Copper	31,751 3,250 1,900 36,901	32,786 2,900 1,100 36,786	34.246 3,100 1,100 33,446	49,961 3,150 1,100 54,211	43,780 3,100 709 47,580	46,451 2,600 800 49,951		

#### COMPARATIVE STATEMENT.

Frice of Chili Bars and G.M.B.'s per ton ... ... £47 6 3 £46 5 0 £45 7 6 £43 0 0 £38 17 6 £43 2

4 40 100	Stock in			Bu	pplies			E 0		1
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_	Affort there- to from Chili and Australia,	G.M.B.	England and and France.	Other European Ports.	Spain and Portugal (excluding Pyrites),	Other Count's.	Chili to Europe.	Shipments from Australia to London.	Suppl's.	Total Delivesi
Meath ending for May 1896 70 April 1896 70 April 1997 70 A	TOD#, 36,901 28,446 39,980 45,481 46,128 45,817 45,7-1 50,383 57,843 57,843 57,843 57,843	£47 6 3 45 7 6 44 17 6 46 10 0 43 17 6 41 2 6 43 2 6 46 7 6 47 0 3 45 7 6 42 7 6	Tone, 4,860 4,173 3,031 4,377 3,173 2,807 1,805 923 804 590 2,4,9 2,128	Tous. 6,070 5,802 6,593 3,919 4,456 4,919 3,069 2,850 3,301 3,903 3,627 6,472	Tons. 1,257 919 1,116 933 1,339 2,036 1,334 1,386 837 912 2,387 1,775	Tons. 880 3,632 2,844 812 3,181 2,401 1,617 2,960 1,379 2,282 2,504 6,874	Tons. 1,800 2,050 2,250 1,700 2,100 1,800 1,450 2,3.0 1,500 1,800 1,700 2,100	Tons. 1,400 8:0 600 700 8£0 650 900 700 6:0 750 8:0	Tons. 16,267 17,426 17,434 12,441 15,639 14,613 10,176 11,119 8,471 10,237 12,177 19,949	Tons. 17.812 18.966 20.938 15.188 16.328 14.527 14.527 11.060 12.623 12.542 15.978
hi May 1895 2th April 2th April 2th April 2th Electron 2th Fabruary 2th January 2th Ja	54,2.1 54,239 53,335 55,190 54,848 54,664 52,295 52,758 52,134 62,407 51,325 50,072	43 0 C 40 17 6 59 5 0 39 0 0 41 0 0 39 15 0 41 10 0 40 7 6 38 2 6 28 5 0	21,6:0 2,015 1.03 1,636 2,4:0 4,626 2,839 2,103 2,869 1,60: 2,026 3,455 2,726	54,981 3,415 4,059 2,278 1,020 2,6.7 8,954 2,632 1,231 5,28 3,982 3,770 4,750	15,231 442 2,318 1,151 1,542 773 1,638 1,535 1,535 1,334 909 1,494 1,109 858	32,366 703 1,611 2,991 1,519 2,424 2,366 1,235 1,088 1,573 3,973 1,816 3,522	32,559 2,300 2,700 1,200 1,550 2,303 1,550 2,000 1,850 1,000 2,000 1,000 2	9,200 £00 700 850 650 650 650 650 650 650 650 6	165,948 9,675 12,006 10,156 8,711 12,840 13,745 9,205 8,572 11,625 14,423 12,600 14,308	:83,25 9,701 12,112 12,113 12,65 13,656 11,376 9,790 8,218 11,982 13,343 11,347 11,347
la May 1894  at April and	47,580 46,806 46,897 97,364 47,152 97,285 46,827 46,040 47,981 50,483 49,955	38 17 6 39 17 6 40 15 0 41 0 0 42 15 0 42 2 6 41 17 6 41 12 6 41 12 6 43 10 0	32,139 2,778 3,559 2,546 3,158 4,921 3,893 6,146 7,097 7,940 4,272 4,225 1,914	36,955 3,362 3,326 4,591 2,592 2,793 4,445 1,675 4,646 8,191 4,825 2,045 3,195	15,801 1,976 1,057 1,184 647 1,977 1,887 1,332 999 1,255 1,535 614 1,958	3,023 2,977 1,699 764 890 852 5,684 3,033 621 645 2,607 3,548	1,550 1,650 1,500 1,900 1,900 1,900 2,700 1,400 2,200 1,700 1,500 2,400 1,850	550 600 510 510 510 500 450 1,000 600 400 400 550	13,539 13,669 12,070 9,501 11,934 14,032 16,687 19,024 20,307 13,207 13,202 1,015	12,765 13,460 12,837 9,289 12,077 13,564 17,900 18,888 20,364 15,729 12,678

TIN.

(From Messrs. A. Strauss and Co.'s Circular for May, 1896).

May. 30, 1896. May 31, 1895. May 31, 1894. Straits and Australian spot .... Ditto ditto landing Tons. 16,465 500 2,100 525 Ditto ditte Straits, afloat ...... Australian, afloat 19,442 19,590 15,443 9,843 Banca, on Warrants... 1,743 1,671 953 1,028 1,495 2,250 2,411 1,655 861 487 1,255 8.7 1,703 Bittion, spot
Ditto affoat
Straits, spot in Holland
Ditto affoat to Continent
Stored secretly in Holland in 1884.... 700 8 6 1,830 27,066 24,581 16,274 Total afloat for United States ... Estimated stock in America.... 2,930 1,565 1,932 Total ..... 30,956 29,746 18,853 Prices of Straits and Australian ... £59 15 0 £60 10 0 £71 10 0 £14 7 6 Deliveries during the month in London.
Ditto ditto Holland. 763 1,250

Shipments	during the	month from	Straits to London	***	100	903	099	101	3,450	Tons
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	**	**	London, Havre, and	Holl	and to	Ame	rioa	0-0-1	655	
14	89	84	Strait to America	***	***	***	***	***	1,125	**
9.0	9.0		Australia to America		000	e91	***	***	50	**
18	*9	De .	traits to Continent	000	004	103	040	00.	1,175	9.0

2,511

58	_		During 12 mouths ending May 30, 1896.	During 12 months ending May 31, 1895.	During 12 months ending May 81, 1894.	During 12 months ending May 31, 1893.	During 12 months ending May 31, 1892,
56 76 88 88 18 18 17 14	Shipments from Straits to London Shipments from Straits to America Shipments from Straits to Continent Ditto from Straits to Europe and America Shipments from Australia to London Shipments from Australia to London Deliveries of Tit. in London Deliveries of Tit. in London and Holland Ditto in London, Holland, France, and U.S.	00.	24,282 10,715 11,151 46,071 3,650 659 11,240 23,250 55,409	29,322 5,453 13,002 47,834 2,913 1,100 16,793 25,776 59,212	25,171 3,770 13,146 42,088 4,673 400 20,719 37,353 56,549	23,315 9,335 4,855 37,566 4,380 500 14,421 22,837 46,077	38,194 8,465 5,075 31,734 4,285 800 36,657 23,911 46,195

Banca in Trading Company's hands and affoat 5513 tons.

TRICKS:	Straits and Australian spot	000	681	£60 to 0	three months	203	661	0	0
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#### L. LeVersonne and Co., London.

Telephone, No. 15,144. Telegraph o Address: "Leper Codes, A.B.C., MACNEIL, MERING.

MINERAL, METAL. IRON AND TIN PLATE MERCHANTS AND BROKERS.

Contracts negociated. Buying or Selling Agencies solicited Zinc. Lead, Silver Lead, and Copper Ores' offers specially invited. XPERIENCED AGENTS appointed in the COLONIES and FOREIGN MARKETS where not represented,

#### C. PASS & SON (Limited), BRISTOL,

LEAD ASHES, SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c. and DROSS or ORES containing

TIN, COPPER, LEAD, AND ANTIMONY.

HENRY WIGGIN & CO. (Limited), NICKEL AND COBALT REFINERS, MAKERS OF BEST RED LEAD FOR FLINT GLASS MANUFACTURERS,

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HOLT, GILLIARD and (Established 1872) AGENTS TO SHIPPING and FORWARDING MINING and ESTATE COMPANIES.

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#### LAMBERT'S WHARFAGE CO., PRINCE OF WALES DOCK, SWANSEA.

Ores, Mattes Begulus, and Bars received and prepared for market Copper, Lead, Tin, Spelter, and Pig Iron Beceived, Weighed, and Sampled, and Warrants issued against same. N B.—Warrants are on Accepted List of London Metal Exchange.
Regular lines of steamors from America, Europe, &c.
Good prices can be obtained for low produce Copper Ores. Send

#### THE AUSTRALIAN GOLD RECOVERY COMPANY (Limited).

air samples of not le's than half a pound.

(MACARTHUR-FORREST PROCESS).

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THE AUSTRALIAN GOLD RECOVERY CO. (Ld.), 23, College Hill, London, E.C. JAMES R. FOWLER, Esq., 14, King William Street

GORDON WILSON, Esq., The Australian Gold Recovery Com-juny (Lim:ted), Charters Towers, North Queens'and.

AGENTS FOR THE CASSEL GOLD EXTRACTING COMPANY'S MANUFACTURES OF HIGH GRADE CYANIDE.

#### THE BUTE WORKS SUPPLY COMPANY,

133M, BUIE DOCKS, CARDIFF.
Telephone: No. 45 (Post Office and National).
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RAILS .- Bridge, Flange, Double Head, and Bull Head, with or

RAILS.—Bridge, Flange, Double Head, and Bull Head, with or without fasterings.

SLEPERS.—Wood and Steel for all gauges.

EARTH WAGONS.—30-inch gauge, end and or side tipping,

£5 each, at Cardiff.—Steel Wheels and Steel Axles.

PORTALLE RAILWAY.—£11 per 100 yards of railway

30 inch gauge, and £30 per 100 yards of railway 30g inch

(1-metre) gauge, both complete and ready for laying.

RAILWAY COAL WAGONS.—(New and Second-hand)

F. r Casb, Redemption Hire or Simple Hire. Quick delivery can

be made of perfectly new, and almost new latest regulations.

LOCOMOTIVES.—Six wheels coupled, by Manning, Wardle,
and Co., 12 inches by 17 inches, now near Cardiff; also six wheels

coupled, by Avonside Engine Company, 14 inches by 20 inches, now

at Cardiff; also six wheels coupled, by Sharp, Stewart, and Co.,

17 inches by 24 inches, now near Cardiff; all recently thoroughly

overhauled, and ready for instant work; cheap for cash, or three overhauled, and ready for instant work; cheap for cash, or three years' redemption purchase.
Full particulars on application.

#### PLACER GOLD FIELDS OF ECUADOR.

PLAYA DE ORO MINING COMPANY.

AT the request of certain English stockholders, we have A arranged to keep in constant telegraphic communication with the head office of this company in New York, and can furnish ful information and the latest reports regarding these mines, and, if desired, can cable any inquiry for immediate reply.

MAGUIRE, BAUCUS, and STAPLETON,

Dashwood House (Ground Floor), 9, New Broad Street, London, E.C.

#### COMPANIES AND LEGAL ANNOUNCEMENTS.

. Advertisements are inserted in this column at the rate of 9d. per line, with a minimum charge of 7s. 6d.

THE HAURAKI GOLD MINING COMPANY (LIMITED).

NOTICE IS HEREBY GIVEN, that a DIVIDEND of 1s. per share, free of income tax, will be paid on and after the 24th day of Jone, 1896.

Holde s of Share Warrants must lodge Coupon Serial No. 5 at the Offices of the Credit Lyonnais, Paris, or at the Company's Offices, 97, Dashwood House, New Broad Street, London, E.C., three clear days for examination. days for examination

W. J. LAVINGTON, Secretary. London, 1st June, 1896,

#### MINE MANAGER.

### The Illining Lournal, RAILWAY AND COMMERCIAL GAZETTE:

An Illustrated Record of Mining, Metallurgical, Railway, Financial, Industrial, and Engineering Progress.

ESTABLISHED IN 1835.

THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE, published every SATURDAY MORNING, price SIXPENCE, is recognised throughout the World as being the oldest, most induential, and most widely circulated Journal devoted to the interests which it represents. It circulates

ALL OVER THE WORLD,

Amongst Mine Owners, Capitalists, Investors, Mining, Metallurgical Engineers, Manufacturers, &c., &c.

THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE has correspondents and sources of information in almost every quarter of the globe. Its policy is absolutely independent; its circulation is cosmopolitan.

THE MINING JOURNAL is neither controlled, nor is any interest in it held or exercised, by any mine owner, speculator, or syndicate; and it is in no way connected with any sharedealing agency.

TO CORRESPONDENTS.—Letters on E liter'al Matters, or containing literary contributions should be addressed to "THE EDITOR." All matter intended for insertion must be written on one side of the paper only. The return of rejected manuscripts cannot be guaranteed. The Editor invites correspondence and items of news or information from readers in all parts of the World.

SUBSCRIBERS. - The Annual Subscription to THE MINING g postage, is for : -

The United Kingdom, £1 4s.; Abroad, £1 8s.;

payable half-yearly in advance, It can be purchased at all Railway Bookstalland Newsagents throughout the United Kingdom for 5d.

TO ADVERTISERS.—The following is an abbreviated Scale of Charges for

A DV ERTISERS.—The following is an abbreviated Scale of Charges for Advertising: — Companies' Prospectuses, £12–12s per column, or £30 per page; Companies' r Legal Aunonneements, 9d, per line, with a Minimum charge of 1s, 6d; Sales by Auction, Publications, For Sale, Wanted, &c., &c., 6d, 9d. per line with a Minimum charge of 4s.

I isplayed (Trade) Advertisements of 2 inches in depth (or more), Single Column measure, will be incerted at the following lates: —For 52 insertions 2s 6d, per in ertion for each inch in depth; for 21 insertions per insertion for each inch in depth; the princertion for each inch in depth; as 6d, per insertion for each inch in depth; for 21 insertions and for each inch in depth; for 21 insertions and contracts may be had on application.

ADVERTISEMENTS (which should in all cases be sent direct to THE BOSINESS MANAGER can now be received for the forthcoming issue of THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE, on FRIDAY, at 13, FINCH LANS, E.O., up this 6 p.m., and at 3, DORSKY BUILDINGS, SALISBURY SQUARE, E.O. until 9 p.m.

Editorial and Advertisement Office 18, FINCH LANE, LONDON, E.C.

Telegraphic and Cablegraphic Address: "TUTWORK, LONDON."
Codes used: "A.B.C.," Moreing's, and "Universal"

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LONDON: JUNE 6, 1886.

#### TWENTY YEARS OF THE EXPLOSIVES ACT.

during the last year of that period by the Government Inspectors of Explosives now lies before us. The total number of explosives now in the market is far greater than it was when the Act was framed, and the labours of the Inspectors are accordingly considerably greater. This is well shown by the fact, among others, that there are now in Great Britain 134 licensed factories of explosives, as against 55 when the Act first came into force. In those days the only explosive used in firearms was guppowder, the whole series of smokeless powders, cordite, &c., having come into existence since then. Similarly black powder, guncotton to a very limited extent, and dyna-WANTED, for a large Mine in Western Antralis, and similar compounds, and the whole series of so-called safety or flameless explosives having been invented since that time, to Canide treatment considered and advantage. Liberal salary, Address by letter to "Mining," care of J. W. Vickers, Western to less than six "nitrate mixtures" and over sixty "nitral compounds," supposed to make the only mine explosives known, blasting gelatines and similar compounds, and the whole series of so-called safety or flameless explosives having been invented since that time. We find, on reference to the special appendix, that there are at present no less than six "nitrate mixtures" and over sixty "nitral compounds," supposed for make the only mine explosives known, blasting gelatines and similar compounds, and the whole series of so-called safety or flameless explosives having been invented since that time. We find, on reference to the special appendix, that there are at present no less than six "nitrate mixtures" and over sixty "nitral compounds," supposed for make the only mine explosives known, blasting gelatines and similar compounds, and the whole series of so-called safety or flameless explosives having been invented since that time. mite were the only mine explosives known, blasting gelatines nitro compounds" authorised for manufacture in or impor-

tation into this country. The majority of these are explosives that have been especially devised to meet the needs of coal miners, and though not one of them even approaches perfection as a safety explosive, there is, nevertheless, no doubt that they are much safer in fiery or dry and dusty mines than is the more generally-used black powder.

The whole of this report is interesting reading, and makes an important chapter in the records of our national industries. regards, however, that particular branch of the subject of explosives with which our readers are chiefly concerned—namely, the application of explosives to mining-we find but little information. The reason is simply that the majority of accidents underground do not come under cognisance of the Inspector of Explosives, because, according to the Act, no purely mining accidents are to be reported to them unless it appears to the Inspectors of Mines, within whose province such accidents come that they are of such a nature as to require special investigation by the Inspectors of Explosives. The few accidents here reported do not, therefore, call for much notice. They seem to be of the usual type, the use of undue force in ramming explosives into bore holes being one of the most fruitful causes, Many accidents have been tracel to unexploded charges, or portions of charges, and in this connection it is noticeable that 'mixed charges" are a great source of danger. These mixed charges consist of part black powder and part guncotton, fired without a detonator, the function of the latter being assigned to the explosion of the black powder. It seems, however, that with such charges the complete explosion of the guncotton is doubtful, and the present report recommends that the use of such mixed charges should be discontinued. We fancy that most practical miners will concur in this recommendation.

It is, perhaps, to be regretted that the report on explosives necessarily takes its present form, and that the Inspectors are all military men. We venture to think, seeing how large a proportion of explosives is consumed in blasting operations, that one, at any rate, ought to be a mining engineer, thoroughly acquainted with the conditions under which explosives have to be used blow ground. We are inclined to the opinion that there is very much to be said for the Belgian arcan; ement; in Belgium a special Inspector of Mines-of course, a trained mining engineer is detailed to investigate and report on all matters concerning the employment of explosives in coal mines. The resuit of his labours, in the shape of his report for 1894, has not been long published, and forms a document of high value to all coal miners, whilst its use to the country itself may be appreciated by noting how the use of black powder in fiery mines is gradually diminishing. Obviously, hard and last legislation on this point cannot be recommended, yet the existenco of a central authority on the employment of explosives in coal mines would certainly prove ofvalue in this country, just as much as it does in Belgium. We have never advocated too much grand-motherly legislation, which hampers quite as much as it protects, yet the value of Governmental experiments and statistics cannot well be gainsaid. When we find a report like the recent Report of the Proceedings of the Flameloss Explosives Committee of the North of England Institute, issued by a body of mineowners at their own expense, and when we see work that should by rights be done by a Government department, delegated to the initiative of private individuals, we cannot but feel that the Government is not doing its whole duty to the miners of the country, as far as such experiments go. On the other hand, as regards statistics of accidents, the high value of which cannot well be disputed, we feel the inconvenience of having what should be the work of one department done by two independent ones. The province of each particular department, too, is by no means clearly indicated. If, for instance, a coal minor accidentally explodes a few dynamite cartridges, thereby causing two or three deaths, this would probably (though we are not sure on the point) constitute an accident to be referred to the Inspectors of Explosives. If this accident took place in a coal mine, and a gas or dust explosion resulted, the latter accident, or the latter portion of the one accident rather, would be investigated by the Inspectors of Mines. At the same time we freely admit that a mining engineer would not necessarily be the most suitable man to supervise the manufacture of fire. works, for example. The subject is not a simple one, and as is so often the case, it is much easier to criticise the existing state of affairs than to suggest an unexceptional remedy. As long, however, as it is possible to find in such an exhaustive report as the one we are dealing with, the statement that "four-fifths of the accidents causing death or personal injury occurred in the use of explosives and under miscellaneous conditions to which the controlling provisions of the Act do not apply," and when we reflect that it is just this very class of accidents that includes practically all those to which miners are liable to fall victims, it cannot be held that the present state of affairs is wholly satisfactory to the miner. We certainly think that if it be possible, and we cannot see any really insuperable obstack, T will be remembered that the Explosives Act came into it might be a good plan to adopt the Belgian system, and to force on January 1, 1876: it has accordingly completed its create a special Inspector of Mine Explosives; even if this did 20th year of existence, and the report upon its working nothing else, it would relieve to some small extent our already overworked Inspectors of Mines, and would enable all the information respecting explosives in mines to be concentrated in one specific department.

#### WESTRALIAN GOLD MINING.

NOR some months past observers of the Mining Market have held to a strong conviction that in the early future Western Australia would to some extent displace South Africa as a field for the capital of that increasingly large body of persons who are prepared to enter upon gold mining as an investment. This result was retarded by the general feeling of distrust in Westralian values which was produced by the reported collapse of the Londonderry venture. Since this, however, many things have happened to withdraw investor

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the mining market, and to reawaken their confidence in the by this virtue we must have more demonstrative evidence of sineral wealth of Western Australia. As a consequence, the long expected " boom " has come, but to assert that it has come to stay would be a bold and hazardous prediction. In these days public confidence is so easily shaken, and events arise with such gnexpectedness, that it is almost impossible to forecast even the amediate future. For instance, this is not the first boom in West Australian mines, nor the second, and yet, as a result of the unexpected -which, we are told, always happens -they have gone quite cut of favour, to once more attract attention when the cause of the depression was forgotten, or when some brilliant necess has overshadowed some trifling failure. As we were the first to acquaint the world with the extraordinary richness of this colony, and the first, likewise, to pass a favourable opinion noon it, so are we eager to see it give strong evidence in support our contentions. So far it has far exceeded them, and with that we are naturally extremely gratified. But we have never declared that every mine will be a great success. On the contrary, we have published frequent warnings that the failures will far outnumber the successes. This will be no fault of Western Australia; only the consequence of a little unscrupuloasness on the part of the company promoter and the vendors, who are only too ready and willing to back him up. That the country is a mazingly rich has long been placed beyond a doubt. Athough the industry is only in its infancy, its output of the precious metal has been remarkable, in spite, too, it must be bine in mind, of most serious obstacles, which, happily, are bing steadily removed. More and more proof is constantly coming to hand of the payable nature of the colony's sariferous deposits, and of the possibility of treating them at a big profit. In several of the gold mining districts the reefs are found to be more regular in character than was believed, and to increase in richness as they lescend in depth. This is the natural history of every successfolgold field. It is exactly what has happened in the Witwatersrand, and it is now being repeated in the case of the De Krap and the Klerksdorp districts. And, seeing that the gold output from Westralia has now reached a respectable total, even the not seep ital can no longer refuse to be leve in the mineral value of the country. Another equally important influence towards the success of the Westralian gold mines is afforded by the progress which is being made in the economical trestment of the ore. The scarcity of water threatened at one time to interfere mass gravely with the working of the Coolgardie and other gold fields. But of late sy much has been done to brolop dry crushing that this scaroity eannot be regarded as serious obstacle to its successful exploitation. It he now been conclusively proved by experiments both in antralia and South Africa that the efficiency of the eyanide process is augmented by erushing the ore dry, and the applisees for dry crushing have been improved very considerably of late. The cyanide process is undoubtedly destined to achieve mults in Westralia as remarkable as those which it has already obtained in South Africa. There is thus every prospect of remunerative future for the mining investor in Westralia so beg as he will be content to keep out of the clutches of the merupulous floater of bubble companies. It is, indeed, late in the day to detail the methods of this entrapper of the unwary. They are as old as mining, but apparently they always find rictims. However, we may suggest to investors that any conam which gives but scanty particulars of its possessions, which backs" its claims with the report of some perfectly unqualified mdself-constituted "expert," or which relies for tempting the public upon some colourable imitation in its title of the name of malready prosperous mine, ought to be religiously eschewed. There can be no question of the real mineral wealth of Westralia. ed if investors will exercise ordinary prudence they ought to well out of buying shares in its gold mines.

KRUGER'S CLEMENCY.

WHAT we have all along hinted as the likeliest event to happen has come to pass, and once more the heavy. ominous clouds which have so long overshadowed South Africa, and created in the hearts of thousands depression and foreboding, have rolled away, and a pleasant time, we hope absfore us. In our leading articles dealing directly with the itiation in the Transvaal and in those dealing with some of the ading companies, we took occasion to speak hopefully of the liture, for we could never bring ourselves to the conviction that President KRUGER would be guilty of the unwisdom of bing incalculable injury to the mining industry, as well as of fementing discoutent and anger, likely to seriously endanger tharacter has been supported by his acts, and this wook we have and that 45 of the prisoners have been set at liberty, though sir punishments are in abeyance, on their agreeing not to steriore again with the internal or outside politics of the the attention of the acute investor. Transvaal. We learn that, as a result of the Executive's beision, great enthusiasm was displayed in Johan-tsburg, and the President himself was vociferously Well, he deserves his triumph, for it has been won THE past week has been prolific in the holding of the meetby the exercise of qualities which are lacking in the astutest talesman. His magnanimity has been lauded to the skies let we ourselves are not carried away by it. Magnanimity has tot dictated these counsels, so much as shrewdness and foreight. Magnanimity is not narrow-minded, and we are wald admit that the Uitlanders were oppressed by grievous ludeus, that it was these which bred in them discontent, ad that it was natural, if they could not obtain redress Pesceable means, that they would resort to force. Would manimity allow these grievances to remain? Would it turn black to justice? could it regard oppression unmoved? Yes; bro stirred up a storm which might have ruised his country;

We are afraid we shall have to exercise much patience. Not a word is said about the grievances. In fact, has he not declared they do not exist? Nevertheless, we have need to rejoice that he has been wise enough to see the conse-Nevertheless, we have need to quences of clemency. By it he has saved the South African industry, and it is to be hoped that nothing will again occur to interrupt its progress. As a consequence of the good news from the Transvaal, quite a boom has set in in South African shares, and prices all round have gone up by leaps and bounds. This was to be expected, and we may now look forward, we think, to a repetition of the scenes which took place before the heavy slump last autumn. Yes; there is every appearance that a good future is awaiting the Kaffir market, because the future of South Africa itself shines more brightly than it has for many a day. It is to be hoped that better relations have now been established between Boer and Britisher; and, if so, the invasion of Dr. Jameson has not resulted altogether in evil. Last night rumours were rife that the reform leaders had been released on parole, and that Mr. HAYS HAMMOND is sailing on the Athenian for Southampton en route for the United States. Furthermore, that a rumour prevails at Pretoria that the ultimate punishment of the leaders would be a fine of £10,000 each. On the eve of going to press these rumours were not confirmed. If they are not, however, true in substance, it is almost a certainty that within a short time we shall hear cheering news of a further act of clemency on the part of President KRUGER towards these gentlemen.

> INDIAN MINES.

COMMANDING feature of the Mining Market during the past two or three weeks has been the great activity displayed by Indians. The advice which we have ceaselessly and vigorously tendered to investors has been followed, with a corresponding benefit, for which they have every reason to feel gratified. The public are beginning to be deeply impressed with the richness of the Colar field in general, and the prospects of the leading Indian companies in particular. strange thing is, as we have had-reason to remark on more than one occasion of late, that investors have been so long in awaking to the fact that the Indian mines are not played out, but contain resources which have astonished, and which are destined yet to astonish, the sceptics. The rises which have taken place in the shares since the beginning of the year have been almost sensational, and, what is more, they have been justified by the position and the prospects of the individual companies. For instance, take the Mysore Company. How steadily the output has increased month by month, and what an improvement it has shown upon the average monthly outputs of last year. from being likely to show any falling off, the probability is that the output will go on increasing, especially considering the recent news to hand of the cutting of the lode in the 1360 feet level, which is 7 feet wide, assaying 4 ounces 10 dwts. (5 the ton. The prospects of the Champion Reef are no less bright, as the interim report of the directors, which we recently published, amply testifies. Here the returns have also increased, but not to so rapid an extent as the Mysore. In this mine the reserves of ore opened up are enormous. At the end of March the manager estimated them at 120,000 tons but since then they have been largely augmented. The manager said :- " As soon as the eastern part of the lode is met with in Carmichael's and Ribblesdale's shafts we shall be considerably adding to this amount." In confirmation of this, a telegram was received on the 18th ult. to the effect that the eastern part of the lode at the 740 feet level at Ribblesdale's shaft had been intersected, 4 feet wide, and assaying 1 ounce 2 dwts. of gold to the ton. During the six months covered by the report 100 stamps were in operation, and treated 29,010 tons of ore. But presently 140 stamps will be at work, which will certainly not be idle in face of the enormous reserves opened up. From these figures it will be seen that the Mysore and the Champion Reef are keen rivals, and no one would be bold enough to forecast which will win in the race for supremacy. The Ooregum Company, on the other hand, is lagging behind somewhat, though it is not doing at all badly. The output keeps very regular, no improvement being shown, but there is no telling what may happen any day. In contrast to this company the Nundydroog is showing up well, the output displaying a little, though a hopeful, improvement. Hitherto 40 stamps have been at work, but in a few weeks these will be increased to 50, and thus a corresponding increase in the returns may be expected, haprospecity and peace of his Republic. Our estimate of his It is intended, in course of time, to augment the stamping power to 70, and as the reserves of ore are being steadily increased larger profits may be looked for. These four companies are the chief, but there are minor concerns, whose prospects are also

SOME OF THE WEEK'S MEETINGS.

ings of mining companies, some of the latter being concerns of great promise, others promising nothing but failure and disaster. With three or four of the meetings we deal elsewhere, and purpose in this article to comment more or less briefly upon one or two of the others. Shareholders cannot but abid that the President has shown only too forcibly that rest satisfied with the result of the operations of the first year of the Gold Estates of Australia (Limitod), which augur promisingly for the future, especially as West Australia is coming more and more in favour with the general public. The directors consider that the profits for the first five months of the present year will compare very favourably with the average of the past year's profits, and hence they have decided to pay on July 1 an interim dividend has exercised elemency, because severity would for the current half-year of 3s. per share on the fully-paid shares, and half that sum on the partly paid shares, being at the rate by magnanimity! Before we believe that he is at all actuated of 30 per cent: per annum. This company has been very suc- the mine states that in extending the drift Mr. Moons

cessful with its subsidiary companies, as will be readily perceived by the mere enumeration of them—viz.:—Menzies Gold Reefs; Menzies Crusoe Gold Claims; Menzies Consolidated Gold Mines, and the Menzies Alpha Leases. There are other mining claims which are being prospected and opened up, and when the developments have sufficiently proved their value, companies will be formed to acquire and work them, or they may be sold to companies owning the adjoining ground. In any case, in whatever manner they are disposed of, they are likely to yield large profits to the parent company. Of the Kinsella Gold Mines, another company which occupies an important position in the list of this week's meetings, it is possible to speak with every satisfaction. The board have in hand a sum of money which will enable them, as their able Chairman, Mr. NICOL BROWN, put it, to "develop the mine thoroughly," so that the question of its production, about which there is cause for considerable hope, will be set at rest for good. Hitherto, it must be confessed, the mine has not had anything of a thorough trial, and unless from the commencement it was decided to carry the work of testing its resources to a proper conclusion, the shareholders should hardly have committed the shortsighted step of embarking in the undertaking. The vein is known to extend for a long distance under the company's ground, and the first thing will, in all probability, be to develop it, so far as practicable, throughout its entire length. Another highly favourable point in the outlook is the substantial diminution which is being made in the working costs, so that payable production on the part of the mine, such as there is reason to expect, is all that is needed to make a holding in the company a remunerative asset. At the present moment very little can be said as to the prospects of the Lake View and Boulder Junction Gold Mines. It was only in February last that the company was formed, the extent of the company's property, which is situated in the Kalgoorlie district, Western Australia, being 101 acres. As yet development has not proceeded with great vigour, but it is intended to make up for this by future energy. They have, at any rate, done well in securing the services of Mr. GEORGE GRAY to take charge of the property, and if any one can make the mine a success this gentleman is the one to achieve it. The directors are now awaiting the result of Mr. GRAY's examination of the mine, which, of course, is impatiently awaited by al interested in the company. In the meantime a favourable cablegram has been received by a firm connected with the vendors of the property, which states that the mine is looking well, that two separate reefs have been struck beside the Lake View showing gold, and that they expect to locate the Great Boulder lode by 80 feet further crosscutting. Another statutory meeting held this week was that of the Lomagundi Exploration Company (Limited), a company which owns considerable property in Mashonaland. As the Chairman said, very little information has been published to throw light upon the value of the company's mines, beyond general admissions of the existence of numerous ancient workings. Therefore, it is not possible at the present mement to make any forecast as to what the future will bring forth. However, the company is likely to derive profits from the sale of properties to subsidiary companies. Already they have a sufficient number of claims to float half a dozen of these.

#### A COLORADO SYNDICATE.

S we were the first to bring into public notice the auriferous wealth of Western Australia, British Columbia, New Zealand, and British Guiana, four gold fields which, of late, have come very prominently to the front, so were we the first to sound the praises of Cripple Creek, and to draw attention to its remarkable richness. As soon as we were convinced, from the most reliable evidence, that it was a marvellously rich field and that consequently there was a magnificant future before it, we established a correspondent there, a gentleman who has lived in the country for years, and than whom, probably, no one has a more intimate knowledge of the field. Several articles have already appeared from his pen, and from them our readers have learnt that Cripple Creek is a district destined to make history. Already Colorado has attracted the attention of the scientist, the expert, the capitalist, and the company promoter, and many companies have been floated upon the English market, with many more waiting to follow. Now, it is needless to point out that all these companies will not be successful. So long as a hole has been dug in the ground it is quite good enough for a promoter, especially if he can say it has been dug some miles in close proximity to some prosperous company. one or two of these Cripple Creek companies, whose prospects appear to us favourable, we have had occasion to comment, and this week another opportunity has been afforded us by the holding of the statutory meeting of the Anglo-Colorado Exploration Syndicate. Of course, it is almost impossible to gather from statutory meetings what the future of a company is likely to be, as at that time work has only just commenced, and development is in nothing like a forward state. But this syndicate is not a gold mining company, we are informed, but a promoting company, its chief object being to explore for and develop gold mining claims and properties in Cripple Creek, in order to float subsidiary companies. For this reason we have a favourable opinion of the company's prospects, for such companies, if they happen to explore rich and favourite gold fields, generally meet with early and great success. There is every possibility that this syndicate will succeed in discovering rich properties in Cripple Creek, and that large profits will be earned as a result of their flotation. Already in the Rigi the directors seem to have acquired a property of excellent promise. It is surrounded by well known successful mines, but it does not follow from this alone that the Rigi will turn out a great success. So far, all that can be said is that indications are in its favour. The latest cable received from

23 ounces to the ton. This is certainly a high average, but, of course, it is not likely to be maintained. Besides, it is likely to give the impression that the mine is pocketty. In order to test the value of the ore the directors sold the other day 33 tons, which averaged as high as £14 per ton. If this could be maintained it would mean great things. Taking all things into consideration, especially the wonderful auriferous wealth of the Cripple Creek gold field, we shall anxiously await the result of the operations of the Anglo-Colorado Exploration Syndicate.

AFTER considerable delay, owing to matters over which the board had no control, the shareholders in the St. Helen's Development Company have at last had an opportunity of hearing from the lips of Mr. Shaw an extended account as to the position and prospects of their undertaking. This company is one with which, from the commencement, we were favourably impressed, and of its future we have a high opinion, confident, as we are, that it is controlled by gentlemen who have the ability and energy to bring it to a successful issue. The main feature of the recent meeting was, of course, the speech of Mr. Shaw, which we think deserves careful attention and perusal, and more especially so since Mr. Shaw obviously has at heart the interests of the company, and is actuated by the sole ambition to make it the great success he is confident it will attain. Mr. Shaw the shareholders have every reason to be grateful for the work he has accomplished on their behalf. In accordance with his advice, the board have made the selection of a group of claims in a district called the Sinanombi area, and a development company is to be formed for the purpose of further proving these claims. Already half the capital has been subscribed, and the remainder will be offered to the shareholders of the St. Helen's Development Syndicate, who, we think, may consider themselves very fortunate in having this first option, as there is every probability that the concern will turn out a great suc-Indications, therefore, are favourable to the St. Helen's Development becoming a really prosperous concern under the able guidance of its directors and manager.

WHEN the proposal of the directors of the Exploration Company, the Transvaal and General Association, and the West Australian and General Association, for the amalgamation of these three most successful undertakings, is carefully considered from all points of view, it may fairly be asserted that the shareholders have shown the greatest discretion in giving the board their unanimous support in the matter. It is well known that the three companies have all along been managed by the same directorate, and these gentlemen, profiting by the experience thus gained, have every reason to believe that the result of the amalgamation will be eminently satisfactory to the proprietors. Another point in favour of the amalga-mation is that one large company is in an infinitely stronger position to enter into and successfully carry out business transactions than three, comparatively speaking, small companies. That the interests of no one will suffer is beyond all doubt, in face of the assurance of the Chairman that not only had the board carefully considered the respective claims of the three companies, but the auditors had also been consulted, and had given their cordial support to the scheme. In regard to the prospects of the new company the outlook could hardly be more promising than it is at the present moment. Since the commencement of the present year large profits have been made on business which has matured, and there are abundant reasons for believing that the returns in the near future, and for some time to come, will be of an equally gratifying nature. One of the most important alterations is that in future each director will be compelled to take an interest, at the rate of 21 per cent., in every new business proposed to be undertaken. In face of all these circumstances one may safely predict that the new company will start with wonderfully favourable prospects.

THE question of boring for water at Coolgardie is likely soon to enter upon another and more important stage. The arrangements for the work are now, we understand, nearing finality and the actual operations will shortly have started. Machinery is provided and buildings have been erected, so that the work, once started, may be carried to its conclusion with very little delay. The selection of a spot for boring has been a work of time and forethought, and after a comparison of the various sites suggested a point on the Southern Cross Road, some two miles from Coolgardie, was ultimately fixed upon. So far as it is possible to judge from this side of the water, the arrangements leave little to be desired. They have been consummated with care, and the works have been undertaken with a deliberation which the works have been undertaken with a deliberation which promises favourably for their ultimate completion. Mr. Saunders, of the Public Works Department, has the enterprise in hand, and instructions have been given to sink, should this te found possible, to a depth of 3000 feet, the greater extent of which distance is expected to be granite. One shift of men will be employed at first, but ultimately there will be two, and according to estimates which have been formed it is hoped that each shift will go down 5 feet. All that this experimental venture means for Goolgardie is at once apparent. The great question as to whether water exists under the ground of the mining capital will be set at rest, and if the result be a favour ble one, the prognostications of pessimists as to a waterless gold field will be finally exploded. tent of which distance is expected to be granite. One shift of waterlass gold field will be finally exploded.

ONE effect of the great advancement recently made in West with some splendid ore specimens. These, in fact, are so numerous that the Curator confesses inability to deal with them owing to the want of space at his command, so that, for the present, their arrangement may be taken to be unsystematic and, from the geological point of view, faulty. Repeated 'gifts large accession of business next week. In fact, we expect to read "markets booming" directly transactions for the new South africans.

South Africans.

South Africans.

In many of the communications which have reached this country as to the release of the Pretoria prisoners, the name of Mr. Barney Barnato has been prominent. No one understands

came on a streak of ore 4 inches wide, which assayed from all parts of the colony have brought the exhibits up to a total which seems to show that the Museum must be adquately representative of the colony's mineral industry in all its branches. One collector alone-Mr. Vosper-handed over to the State guardianship a collection of nearly 500 minerals gathered from all districts in the colony. Many of the specimens contain sufficient gold to give them a distinct monetary value, and are certainly worth the pain of careful keeping. But beyond all mere considerations of value, the educational advantages of the collection are such as to make it a prime necessity that proper accommodation in the way of houseroom should be given them. Reports come to hand of large sums of governmental money being devoted to other purposes, and whatever the condition of the West Australian Budget provision should at least be made for the housing and maintenance of a collection of minerals that any country might be proud to possess. There is every prospect that in the early future the dimensions of the colonial collection will be further largely augmented, and unless it is to be allowed to get altogether beyond control the attention of the Government should not long be witheld for the matter.

> THE amount of annuities and dividends accruing from holdings in the United Kingdom is shown by a return just presented to Parliament to have been been £38,913,492 for the year 1893-4. Of this total, more than £15,000,000 was yielded by British securities, nearly £8,000,000 by Indian securities, about £10,500,000 by colonial, and just upon £5,500,000 by foreign securities. It will, perhaps, be thought that a good deal of income derived from foreign sources escapes taxation; but even if we take the total to be accurate, and the average rate of interest upon all such holdings to be as much as 4 per cent., it will be found that their capital value is £972,837,300. They vielded £1.125.894 of duty.

#### MINING MARKET.

A sensational change of front in the Kaffir Circus .-Westralians firm, in spite of a diversion of interest. Miscellaneous Markets less active.

DURING the past week an almost electrical change has come over the Mining Market. The Kaffir Circus, in which, as we pointed out a week ago, prices were hardening up significantly, has suddenly become the centre of wild excitement. The oft quoted adage that a fortnight is a lifetime on the Stock Exchange has never received more striking exemplification. At the last Settlement we were chronicing the fact that capitalists who had long heap takers in of African shares were delivaring their score. been threatened for some time, but the actual accomplishment been threatened for some time, but the actual accomplishment was deferred until the precise moment, which was worst for all parties concerned. The excuses put forward by the takers in that no activity was to be expected for some time to come, were made at precisely the wrong moment, and it is probably due as much to the scurry of operators for the rise to resume positions which had been precipitately abandoned, that a good part of the week's advance is due. As we anticipated, the race for the Derby and similar holiday functions have had a disturbing influence by taking many brokers and dealers, as well as a large slice of the public, away from the market, Under the circumstances, the extent of the week's changes is really remarkable, whilst there is every indication that we are by no means at the end of the movement. On Saturday an amount of business, quite unusual in recent times, took day an amount of business, quite unusual in recent times, took day an amount of business, quite unusual in recent times, took place in Kaffirs on the receipt of the first intimations—through the agency of Mr. Barnato, if report is to be believed—that the release of the Pretoria prisoners was only a matter of hours. The Barnato group gave a strong lead to Africans generally, and even if the short hours of business curtailed the rise in many cases, the market was put into a state of preparation for higher prices on Monday. Westralians commanded much attention and prices were all on the upward track. Buoyancy was maintained in New Zealand shares, and Indians were very firm. On Monday prices in the Kaffir market opened appreciably higher than Saturday's closings, and after good business throughout the day, activity was maintained in the Street, with the result that almost every active share in the list showed a gain on the day. good business throughout the day, activity was maintained in the Street, with the result that almost every active share in the list showed a gain on the day. The return of several jobbers who had crossed over temporarily to the Westralian side, together with the natural diversion of casual attention, had the effect of reducing the popularity of Kangaroos. After a strong opening, this market reacted on profit taking, though there was a rally before the close. New Zealands were strong, and Indians continued their upward course. Tuesday was a comparatively dull day, and on the palpable falling off in buying orders, the bears resumed their attentions to Kaffirs in the Street with the effect of making the market look dull at the close. Australians were inclined to be depressed and prices were lower in many cases. Indians, too, eased off, but New Zealanders were strong and active. The attendance on Epsom had a marked effect. Business became quiet, though quotations were fairly well maintained. Only two days remain to the present account, but the outlook is so cheerful that it seems safe to predict a large accession of business next week. In fact, we expect to read "markets booming" directly transactions for the new Settlement are commenced.

this smart financier the advantages of broad-cast advertisement, and those whose memories have enabled them to read between the lines have had no difficulty in scenting a Barnato boom as being on the way. This view receives support in the cablegram published to-day by the Standard and Digger's News to the effect that there is a by the Standard and Digger's News to the elect that there is a b'g amalgamation scheme in hand between the Barnato Bank and Consolidated Company and certain of the outcop companies at present controlled in the same interest. It would be idle to debate the probabilities of such an event. With a man like Mr. Barnato anything in the company monger-ing line is possible. He has but to decide upon a line of action and his position is so autocratic that there is none to say him and his position is so autocratic that there is none to say him nay. We have before now entered our protest against any attempt at reconstructing the Barnato Bank until such time as its accounts have been published and full opportunity has been given for criticism of the details of its promotion. We been given for criticism of the details of its promotion.  $w_0$  do not say for one moment that a monster amalgamation is necessarily-bad, but in the case of the Bank no measures of so sweeping a character ought to be carried through without ample opportunity for discussion. We have at the moment to necessarily-bad, but in the case of the Bank no measures of so sweeping a character ought to be carried through without ample opportunity for discussion. We have at the moment to deal merely with facts and there is no gainsaying the strength which has been displayed by the shares of the whole Barnato group. The bank shares have risen \( \frac{1}{2} \) to 2\( \frac{1}{1} \), the Consols \( \frac{1}{6} \) to 3\( \frac{1}{1} \), Buffelsdoorn \( \frac{1}{2} \) to 2\( \frac{1}{1} \), Glencin \( \frac{1}{6} \) to 2\( \frac{1}{1} \), Glencin \( \frac{1}{6} \) to 2\( \frac{1}{1} \), Glencin \( \frac{1}{6} \) to 3\( \frac{1}{6} \), Langlaagte Royal \( \frac{1}{2} \) to 2\( \frac{1}{6} \), New Pimruse \( \frac{1}{1} \) to 6, and Ginsberg and George Goch \( \frac{1}{2} \) to 2\( \frac{1}{4} \) and 2\( \frac{1}{6} \) respectively. The biggest move of all, however, has been in Johannesburg Investments, which have put on over a point at 4\( \frac{1}{4} \). The Robinson Group has been steadily supported, the chief gains being \( \frac{1}{2} \) in Randfontein at 3\( \frac{1}{2} \), \( \frac{1}{4} \) in Block B at 2\( \frac{1}{4} \), and \( \frac{1}{6} \) in Langlaagte at 6. The first news of the release of the prisoners was the signal for extensive buying of East Rands which had been well over 8, and close a full point to the good at 7\( \frac{1}{2} \). St. Angelo has put on \( \frac{1}{4} \) and Comet \( \frac{1}{4} \) at 3\( \frac{1}{2} \), and Si move has occurred in Rand Mines, which close 3\( \frac{1}{2} \) up at 3\( \frac{1}{2} \). Rumour has it that a scheme for splitting the shares will shortly be introduced. Deep Levels generally are better, gains of \( \frac{1}{4} \) being marked in Geldenhuis Deep at 6\( \frac{1}{4} \), and Nourse Deep at 4\( \frac{1}{4} \). The Eckstein group reflects the improved outlook. Modders have risen \( \frac{1}{2} \) to 9\( \frac{2}{3} \), Ferreira 1 to 20\( \frac{2}{4} \), Henry Nourse \( \frac{1}{4} \), to 7\( \frac{2}{3} \). Givy and Suburban \( \frac{1}{2} \) to 20\( \frac{2}{4} \), He at 22½. Throughout the active list gains are universal. Want of space prevents us from dealing with details, but amongst the at 22½. Throughout the active list gains are universal. Want of space prevents us from dealing with details, but amongst the most prominent changes are gains of 1½ in Kuights at 7½, 1 in Durban Roodepoort at 7½, ½ in Ruights at 7½, ½ in Crown Reef at 12½, ½ in Kleinfontein at 3½, ½ in Crown Reef at 12½, ½ in Kleinfontein at 3½, ½ in Meyer and Charlton at 6½, ¼ in Sheba at 2½, ½ in Van Ryn at 5½, ½ in Robinson at 9½, and ½ in Wolhuter at 8½. Whilst all these gains are directly traceable to the improved prospects of the Mining Industry in view of President Kruger's belauded elemency, Land and Finance shares have received indirect advantage. Chartered, in which presumably there was a bear account, jumped up to 4½ on Monday, and, after see-sawing round the figure, close at 3½, a gain of ½ on the week. Goldfields were as good as 13½ this merning, but are finally 1½ up at 13½. Goldfields Deep have put on 1½ at 11½, Gold Trusts 1½ at 8½, and Anglo-French Exploration which have beninged bought by the East Rand division, are nearly a point to the good at 5½. Rhodesia Exploring has gained 1½ at 7½, Oceana ½ at 1½, Willoughby Consols ¾ at 2½, a Exploring Land and Minerals ½ at 1¼. Hechuanalands ¾ at 1½. African Estates ¼ at 2½, and Austral Africans ¼ at 1½. The Lydenburg Group is better all round, Spitzkops being quoted at 22s. 6d. Balkis at 6s. 9d., Barretts at 13s. 6d., Graskops at 5s. 3d., and Lisbons at 6s. 9d. Diamond shares have been good, gains of ½ being marked in Jagors at 11, and De Beers at 30½. being marked in Jagers at 11, and De Beers at 30.

West Australians.

Although the sensational recovery in Kaffirs has diverted public attention from Westralians, some substantial gains have to be chronicled. Great Boulders, which were no better than 93 on Tuesday achieved a new record this afternoon, when they marked 10½. Hannan's Brownbills have been over 7 to-day, though they close slightly easier at 6½. Associated have been largely bought, in anticipation of crushing returns from the Lake View South, and after advancing to 3½ buyers. from the Lake View South, and after advancing to  $3\frac{1}{15}$  buyers earlier in the week, are finally  $\frac{1}{5}$  up at  $2\frac{1}{15}$ . Hannan's Reward went to 5, and have reacted to  $4\frac{1}{5}$ , which leaves them  $\frac{3}{5}$  down. The shares of Crossus South United, a property of which remarkably good accounts reach us are the turn better at  $2\frac{1}{5}$ . Lady Lochs are  $\frac{1}{5}$  lower at  $3\frac{3}{5}$ , and Lake Views are below the best at  $7\frac{1}{5}$ . Changes in the Menzies Group are unimportant, and the White Feathers and Golden Crown both at  $2\frac{1}{15}$ , and Hit or Miss at  $2\frac{1}{15}$ . West Australian Gold Fields have been in steady demand, and close  $\frac{1}{15}$  better at  $10\frac{1}{15}$ —the record price. Hampton Plains have eased off to  $5\frac{1}{5}$ , and Mainland price. Hampton Plains have eased off to  $5\frac{5}{6}$ , and Mainland Consols are appreciably below the best at  $4\frac{7}{16}$ , which is still better than last week's price. Share Corporation have put on at  $1\frac{1}{16}$ . London and Globe and Exploring Finance have lost  $\frac{1}{16}$  at  $4\frac{7}{16}$ , whilst Colonial Finance are unchanged at  $4\frac{5}{16}$ .

Miscellaneous.

Copper shares have continued their upward career. Tintos Copper shares have continued their upward career. Tintos have risen  $\frac{7}{7\epsilon}$  to 23, though this is not the best of them. Tharsis are  $\frac{3}{8}$  higher at  $5\frac{7}{8\epsilon}$ , whilst Capes at  $2\frac{7}{4\epsilon}$ , and Copiapo at  $2\frac{7}{8\epsilon}$ , are each  $\frac{1}{8\epsilon}$  better. New Zealand shares have been strong, especially Waihi, which stood at  $7\frac{5}{8\epsilon}$  this morning, though a reaction to  $7\frac{7}{8\epsilon}$  reduces their gain to  $7\frac{5}{8\epsilon}$ . Kapangas have put on 1s. 9d. at 18s. 3d., Haurski 1s. 3d. at 17s., and Waihi Silverton  $\frac{1}{8\epsilon}$  at  $4\frac{1}{8\epsilon}$ . The deal in Geld Fields of New Zealand has made less noise and the shares are finally  $\frac{1}{8\epsilon}$  up at  $4\frac{1}{18\epsilon}$ . A sensational movement leaves Taitspu at  $2\frac{7}{8\epsilon}$ , which is double the price ruling at the last Settlement. Charter Towers shares are neglected. movement leaves Taitapu at  $2\frac{\pi}{4}$ , which is double the price runng at the last Settlement. Charter Towers shares are neglected. Mount Lyells are quieter at  $8\frac{\pi}{4}$ . Broken Hills have been good to-day, closing  $\frac{\pi}{4}$  up at  $2\frac{\pi}{6}$ . Indians have reacted from the best, and are generally lower on balance with the exception of Coromandel, which close  $\frac{\pi}{4}$  up at  $2\frac{\pi}{16}$ . Mysors at  $7\frac{\pi}{6}$ , Nundydroog at  $3\frac{\pi}{6}$ , and Ooregum at  $3\frac{\pi}{16}$  show losses of  $\frac{\pi}{6}$  to  $\frac{\pi}{4}$ .

DURBAN ROODEPOORT. — Summary for month ending April 30 Block No. 1. 360 feet level, cast drive, main reef, 40 feet 6 inches. 360 feet level, west drive, main reef, 46 feet. Total, 86 feet 6 inches. — Block No. 2. 7th level, south leader, east drive, 48 feet 6 inches. Below 7th level, south leader, west drive, 74 feet. 8th level, south leader, suth south leader, south leader, south leader, sinking east winze, 57 feet. 8th level, south leader, crosscuts, east winze, 4 feet 6 inches. 8th level, south leader, drive cast of east winze, 91 feet 6 inches. Total, 289 feet 6 inches.

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#### THE MAORILAND GOLD MINES (LIMITED).

HAURAKI DISTRICT, NEW ZEALAND. Incorporated under the Companies' Acts, 1862 to 1890.

Incorporated under the Companies Acts, 1892 to 1890.

CAPITAL: - - - & 295,000,

In Shares of 2s. 6d. each,

WHICH ARE NOW OFFERED FOR SUBSORIPTION.

Payable is on Application, 1s-84, on Allotment.

Specient Capital having been guaranteed, the Directors will proceed to allotment immediately on the closing of the Lists.

Share Warrants will be issued on payment of the Stamp Duty and fee.

DIRECTORS.

LA TRAVERS, Esq., Director of the Komata Reefs Gold Mining Company

Limited, C. BINGHAM, Esq., Director of the Komata Reefs Gold Mining Company, Limited.

C. CLARK. Esq., Director of the Komata Queen, Limited, Sr. CHAS. F. CUNNINGHAME, Bart., The Manor House, Datchet.

BANKERS.

PARE'S BANK, LIMITED, (The Consolidated Bank Offices), 52, Threadneedle Street, E.C.

BROKERS.

BROKERS.

BROKERS.

Gestl. WM. R. HARTRIDGE and Co., 5, Drapers' Gardens, E.C., and the Stock Exchange. SOLICITORS.

Haurt. SNELL, SONS, and GREENIP, 1 and 2, George Street, Mansion House, E.C.

"House, E.C.

AUDITORS.

MHIRT, ARTHUR GODDARD and Co., St. George's House, Eastcheap, E.C.

SECRETARY AND OFFICES.

W. J. LAVINGTON, Dashwood House, New Broad Street, E.C.

ABRIDGED PROSPECTUS.

ABRIDGED PROSPECTUS.
The Company has been formed to acquire and develop an extensive properly into Kusotunu Gold Field, in the mining district of Hauraki, New Z-aland. The area of the property it is proposed to acquire is 100 acres, held as a greial claim, under Government, for a term of 21 years from the 13th November, 1857.
The claim embodies the old claims of Maori Pah, Hinemoa, Te Aroha, Black Rek, Kohineer, Jump, and Blackstone, and adjoins the Maori Dream and gastum, and is in close proximity to the Aorere and Try Fiuke.
The property has been examined and reported upon by Captain W. H. Argall, manager of the Kapanga Mines, and Mr. P. C. Chesi, mining engineer.
(Aplain W. H. Argall writes:—
"The reefs are found traversing soft and hard andesite rock. The soft hid, owing to its felspathic character, decomposes quickly, and is then termed the laindly country of the miner, or by geologist's Propylite.' Is this class of rock the reefs are found most productive.

"Various crushings from time to time have been taken f rom this reef (Black Jack) as follows:—
"10 tons from the outcrop were shipped to Moanatair battery at the Tames, and yielded by the ordinary process of amalgamation 19½ dwts. elgoid to the ton.
"10 tons were treated at the Red Mercury battery and gave 1 ounce to its ton.
"30 tons were sent to the Curtis battery and gave a result of 15 dwts, to

ths ton.
"30 tons were sent to the Curtis battery and gave a result of 15 dwts. to the ton.
"16 tons of tributors' ore, on being burnt and treated, went as much as 42 sources to the ton.

"15 tons of tributors' ore, on being burnt and treated, went as much as 4% ounces to the ton.

"Another parcel of 30 tons was taken to the Thames and yielded 15 ounces of gold.
"At the same time 30 tons were treated at Richard's battery, and went about 15 dwts. to the ton.
"Afterwards 65 bags of quartz were crushed at Red Mercury battery, and gare 10s. 2 dwts. to the ton. This was done by the slient overflow and as amalegmation.

pan amalgamation.

"At Richard's battery 240 bags of ore after treatment yielded 18% dwts.

pan amangament.

"At Richard's butlery 240 bags of ore after treatment yielded 18% dwts.

is the ion.

"As will be seen from the foregoing, the rest system consists of several

parallel lodes varying greatly in width. I do not consider they have really

been proved as yet, i.c., with regard to their value,"

Optics of the above-monitioned reports accompany the Prospectus.

In the intention of the Directors to carry out the recommendations con
listed in the Reports, and vigorously develop the property immediately.

The contracts, original reports, and a print of the Memorandum and Articles
of association, can be seen by intending subscribers at the offices of the

kinites to the Company's Bankers, with a remittance for the amount payable

asplication. In cases where no allotment is made the amount deposited on

splication. In cases where no allotment is made the amount deposited on

splication will be returned at once without deduction.

First Prospectuses and Forms of Application may be obtained from the

bases, Brokers, Solicitors, and at the offices of the Company.

FORM OF APPLICATION FOR SHARES.

FORM OF APPLICATION FOR SHARES. THE MAORILAND GOLD MINES (LIMITED).

To the Directors of the [.THE MACRILAND GOLD MINES (LIMITED.)

#### DIARY.

Monday, June 8.
Serbudda Coal and Iron, 213, Gresham House, 12.
Tuesday, June 9.
Paris Durker Charles Company treet Hotel 18

Bonnie Dundee Gold Mine, Cannon-street Hotel, 12.
Fraer and Chalmers (Limited), Winchester House, 12.
Fraer and Nigel, Johannesburg.
Transvaal Nigel, Johannesburg.
Western Kleinfontein, Johannesburg.

Wednesday, June 10. Thomas's Reefs (Sheba), Limited, Cannon-street Hotel, 12. Anglo-Mexican Mining Company, Cannon-street Hotel, 12. Lydenburg Mining Estates, Johannesburg.

Thursday, June 11.
Universal Corporation of West Australia, Winchester Ho., 12 African Banking Corporation, Cannon-street Hotel, 12.30.
Cantral Chili Copper Company, Winchester House, 12.30.
Day Dawn Block & Wyndham Gold Mines, Can.-st. Ho., 2.
Mosman Gold Mines, Cannon-street Hotel, 3.30.

Friday, June 12. Norseman Gold Mine, Cannon-street Hotel, 2. Clarkson-Stanfield Ore Reduction, Winchester House, 3.

The directors of the SOUTH AFRICAN GOLD TRUST

The directors of the South African Gold Trust (Initial) announce the payment on July 1 of an interim trided on the company's ordinary shares of 7s. 6d. per share the balf-year ending June 30. The transfer books of the admired shares of the company will be closed from Wednesday, is 17th inst., to Tuesday, the 30th inst., both days inclusive.

The directors of the Mosman Gold Mines (Limited), in the report to December 31 last, state that the receipts from 4 courses amounted to £32,402 12s. 11d., and the expenditure be £3,319 17s. 2d., leaving a balance to the credit of revenue £2082 15s. 9d. Development works have been carried on this the greatest possible speed; £3242 2s. 7d. had been expended on new pumps, boilers, air compressing, and other mainery, and £3079 5s. 3d. on the Peabody shaft and levels. It maintenance of so large an area as 89 acres entailed heavy symmiture, but exemption from the labour conditions was stained when practicable, and, therefore, the directors did not it advisable to reduce it at present. it advisable to reduce it at present.

#### PARTY OPENS TO-DAY, SATURDAY, the 6th JUNE, at 10 a.m., and will HANNAN'S NORTH CRŒSUS GOLD MINING COMPANY (LIMITED).

GOLD MINING COMPANY (LIMITED).

Incorporated under the Companies' Acts 1882 to 1883, whereby the liability of the Shareholders is limited to the amount of their Shares. Oapital £10,000, in Shares of £1 each. Issue of \$3,00 shares. Payable as to 2s. per share on Application, £s. on Allotment, and the balance one month theresiter.

G. G. Elrington, Esq. (Director of the London and Western Australian Contract Company, Limited), Grena Lodge, Richmond, Surrey.

A. G. Shoolbred, Esq. (Director of Hannan's Development and Finance Corporation, Limited), 38, Lancaster Gate, London, W. Albert King, Esq., 50, Aldermanbury, London, E.C., Colonial Merchant.

J. B. Guthrie, Esq. (Director of Hannan's Excelsior, Limited), West India House, Leadennail Street, London, E.C.

H. Beaman, Esq. (Director of Hannan's Excelsior, Limited), Chaseley, Southport.

LOCAL DIRECTOR IN COOLGAEDIE.—G. P. Hurst, Esq. (Mineralogist; Director of Hands Across the Sea Gold Mining Company, Limited, and Hannan's Crossus Gold Mining Company, Limited,

BANKERS.

The Commercial Bank of Scotland, Limited, 62, Lombard Street, London, E.C. Head Office; Edinburgh and Branches in Scotland.

BENKER,—H. W. Walmisley, Esq., 18, Austin Friars, London, E.C., and Stock Exchange.

Messrs. Blachford, Riches, and Norton, 15, Walbrook, London, E.C.

Messrs, Blachford, Riches, and Norton, 15, Walbrook, London, E.C.
Messrs, Parker and Parker, Perth, Western Australia.

AUDITORS.—Messrs, R. E. Emson and Co., 1, Gresham Buildings, London, E.C. B.C. BECRETARY (pro tem.) AND OFFICES.—H. Munns, 5, Moorgate Street Buildings, London, E.C.

ABRIDGED PROSPECTUS.

ABRIDGED PROSPECTUS.

This Company has been formed to acquire, develop, and work the gold mining property, held under Lease, locally known as the "Orasus North," having an area of about 12 acres, and situate in the famous and highly auriferous district of Hannan's (Kalgoorile) Western Australia.

The mine has been reported upon by Captain Nathaniel Hawke, the Manager of the Orasus Gold Mining Company, and by Mr. G. P. Hurst, late Assistant Geologist to the Lake Mulligan Paleontological Expedition, who has recently returned to London from the Coolgardie Goldfeld.

The property adjoins one of the richest and most extensively developed mines in the Kalgoorile district, namely, "Hannan's Crasus," which has shown exceedingly rich results from the surface down to the present depth. The North Crosus is surrounded by a number of well-known and successful ventures, including the Brown Hill, the True Slue, Crasus South United, Brownhill Consols, Brownhill Proprietary, Hannan's Proprietary, Crasus (No. 1) North, Hannan's Central, Nendinde Hill, Iron Monarch, Hannan's Parings, and many others. From the developments which have taken place all round the property, there is more than ample confirmation of the reports which are property, there is more than ample confirmation of the reports which are submitted. On he Crasus (South) the shaft sunk on the northern side of the property, within a few hundred feet of the North Crasus, the Hownhill independent of the property, within a few hundred feet of the North Crasus, the Brownhill independent of the property, within a few hundred feet of the North Crasus, the Brownhill independent of the property, within a few hundred feet of the North Crasus, the Brownhill independent of the property, within a few hundred feet of the North Crasus, the Brownhill independent of the property, within a few hundred feet of the North Crasus, the Brownhill independent of the North Crasus lease.

In a report on an adjoining property Captain W. H. Matthews, the well-known Mining Manager, vouches for the

Per ton.

#### TIN TICKETING.

HE fortnightly ticketing for tin ores was held at Tabb's Hotel, Redruth, on Tuesday. Result:— VALUES OF ORES SOLD FROM EACH MINE.

Tons owts.

3/1			-	-	-				
Mines			80		d.				d.
Dolcoath No. 1		0	37	7	6		523	5	0
do No. 1a		0	36	17	6	*****	516	5	0
do No. 1b		0	37	0	0	*****	444	0	0
Wheal Grenville A	16	0	38	15	0	*****	620	0	0
do B	15	0	38	7	6	******	575	12	6
Basset Mines (Limited)	18	0	38	17	6	*****	699	15	0
do No. 2	0	31	28	8	0	*****	98	17	6
Tincroft		0	32	17	6	******	295	17	6
do	. 9	0	32	17	6	*****	295	17	6
do	0	14	19	12	6	*****	29	8	9
Carn Brea No, 1	9	0	33	17	6	*****	304	17	6
do No. 1a	. 8	0	34	0	0		272	0	0
do No. 2	1	0	18	2	6	******	18		6
East Pool A		0	24	12	6	******	001	12	6
do B		0	25	5	0	******	202	0	0
do No. 2		0	11	15			11	15	0
Killifreth		0	36	12		******	512		0
West Kitty		0	39	2	6	******			6
Phoenix United		0	38	7	-	******	345	7	6
do No. 2			33		6	******	50	i	3
St. Agnes Beach		0	38	0	7	******	205	ō	7
South Condurrow		0	39	2	6	******	234	15	0
		-							-
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#### AVERAGE PRICE PER TON, £35 4s. 9d.

AVERAGE PRICES PER TON.

VALUE OF ORES PURCHASED BY EACH FIRM.

#### 1981 McKENZIE GOLD MINES (LIMITED).

The directors have resolved to call up the remaining 5s. per share, thus making all the shares fully paid. The reports received from the consulting engineer, Mr. Frank Nicolas, of Coolgardie, relating to the developments on the company's property are exceptionally satisfactory. Crushings have commenced, and the directors expect to receive particulars of the first returns very shortly. first returns very shortly.

- The Ooregum Gold Mining Company of India (Limited) have sold the gold obtained in April for £23,039 17s. 11d.

THE North British Australasian Company's special extraordinary meeting was held this week, when the resolutions passed at the special meeting on the 13th ult. were confirmed as special resolution of the company. A vote of thanks and congratulation was given to the Chairman, Sir Joseph Sebay Montesiore,

### METAL MARKETS.

THE METAL MARKET, LONDON, JUNE 5,

THE METAL MARKET, LONDON, JUNE 5.

Copper.

Copper.

The speculative market epened quiet on Monday at £47 28. 9d. s.c., and on the publication of the statistics for the end of May, showing a very slight increase for the past fortnight, the value cased off to £47 18. 3d, s.c. and £37 63. 3d. three months. The set-back was only transitory, however, the next day being ushered in with active buying at prices quickly rising to £47 18. 9d. s.c., and £48 three months. On Wedneday, £47 18. 9d. and £48 28. 6d, respectively were paid. Thursday's market was comparatively duil, there being no active support, so that the sales made sufficed to depress the price to £47 11s. 3d. s.c., and £47 17s. 6d. three months, £47 15s. and £47 18s. 9d. being, however, subsequently realised. To-day we had a strong market at the opening, with business at £48 5s. three months, and £47 18s. 9d. s.c., but at £48 18s. 9d. three months, the two positions closing steady at £47 13s. 9d. and £48 respectively. New York reports continue firm, and business has taken place at good prices.

Tin

As will been seen from the statistical figures published in another part of this issue. Stocks in and £30 act to Europe have undergone but slight change during the last few months. The week's business in Straits Tin has not greatly affected values; the opening was at £20 5s. s.c. and £50 15s., three months, but £59 17s. 6d. and £30 10s. were accepted on Tuesday. Then came a gradual improvement to £51 5s. 3d. s.c. and £50 16s. 3d. three months, but closed casier again at £50 7s. 6d. 6d 10s. s.c., and £51 2s. 6d. three months, but closed casier again at £50 7s. 6d. 6d 10s. s.d., and £51 2s. 6d. three months, but closed casier again at £50 7s. 6d. 6d 10s. s.c., and £51 2s. 6d. three months, but closed casier again at £50 7s. 6d. 6d 10s. s.d., and £51 2s. 6d. three months, but closed casier again at £50 7s. 6d. 6d 10s. s.d., and £51 2s. 6d. three months, but closed casier again at £50 7s. 6d. 6d 10s. s.d., and £51 2s. 6d. three months, but closed casier again at £5

Pig Iron.

Scotland shipped last week about 600 tons, or 2000 tons less than in the same week of last year. The Glasgow market opened firm at 45s, 7d, a.c. Scotch, improved to 45s, 3½d, and fell back to 45s, 8d, rallying then to 47s, 1d, s.c., but reco-ling to 48s, 10d. The close is steady at 47s, 0½d, sellers, with hematite at 47s, 7d, and Middleborough at 37s, 6½d.

Load

is firm, without special feature, and closes at £1I ls, 3.1, soft foreign, and £11 5s, English.

Spolter is firm, and has further advanced on active business having been done up to £18 5s, forward, whilst prompt stuff commands a considerable premium. The close is at £18 5s, to £18 19s, ordinaries, and £18 10s, to £18 15s, specials.

Antimony.

No special feature to record. The market is steady at £30 to £30 10s. Quicksilver has been reduced to £6 10s. firsts, and seconds close at £6 9s. 6d.

The following are to-night's (June 5) prices of metals:-BEASS: Wire

"Tubes (solid drawn)

"Sheets

"Vil.

"Vil. English, ingots, f.o,b.

Pig, G.M.B., f.o.b., Clyde, spot

Heoteh pig, No. 1 Gartsherrie...
Coltness

Govan

Bars, Welsh, f.o.b. Wales

Plates

Bars, Staffordshire, at works...
Sheets

Plates

Ship plates, Middlesborough

STEEL: English spring

Exels at works...
Sheets

Flates

Hoops

Kalis at works...
Sheets

Streets

Rais at works...
Ship plates, Middlesborough

Streets

Rais at works...
Ship plates, Middlesborough

Streets

Rais at works... Iron. Sheets
Plates
Hoops
Ship plates, Middlesborough
STERL: English spring
Ralis at works, according to section
Lead, Silesian ordinary brands ...
special brands ...
English Swansea ...
Sheet Zine ... ... ... ... Antimony. Autimony ... ... Quicksilver. | Quicksilver| Ore, c.i.t., U.K. ports | Manganese. |
1st quality, 50 per cent, and upwards	...	...	0	11	...	0	11					
1nd	1st quality, 50 per cent, to 50 per cent.	...	...	0	0	10	...	0	1			
3rd	1st quality, 50 per cent,	...	...	0	0	10	...	0	1			
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	...	0	0	1	0	1				
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1					
3rd	1st quality, 50 per cent,	...	0	0	1	0	1	0	1			
3rd	1st quality, 50 per cent,	...	0	0	0	1	0	1	0	1	0	1
3rd	1s 98-9916 per cent. (guaranteed 98 per cent. min.) in Per lb. Per lb. ingots (1 cwt. lots and upwards) ... ... 0 1 1 198-99 per cent. guarantee ... ... 0 1 3 98-99 per cent. guarantee ... ...											

MR. HEBBERT T. MARKS, M.I.M.E., who has just returned from South Africa to establish an office in Gresham House, was one of the first mining engineers to migrate to the Transvaal, where he subsequently held a Government appointment for six years. In consequence of his long stay in this country he has become quite conversant with every gold-bearing district in it, besides making himself familiar with the gold fields of Zululand. Mr. Marks has also gained a reputation as a lecturer on mining and metallurgical subjects. In the early days of the mining industry he endeavoured, by public lectures, to bring to the notice of mining engineers the advantages of electricity in its application to mining work. Of this branch of engineering he has made a deep study, under Professors Ayrton and Perry and Dr. Silvanas Thompson.

The annual general meeting of the following companies will be

THE annual general meeting of the following companies will be held in Johannesburg on Tuesday, June 9:—French Western Nigel (Limited), Transvaal Nigel (Limited), Western Kleinfontsin (Limited).

THE receivers and managers of the Quebrada Railway Land and Copper Company (Limited) notify that they have removed their office from 15, George-street, Mansion House, to 34, Nicholas-lane, Lombard-street, E.C.

The directors of the African Metals Company (Limited), at a board meeting held on Wednesday, have decided to make a final call of 5s. per share on all shareholders now registered. Call letters will be posted on Thursday evening, accompanied by a circular.

#### MINING JOURNAL" SHARE

ABREVIATIONS AND REFERENCES.—Th following are the significations of the abbreviations and references which occur in the Share List:—Ay, Antimony; A, Arsenic; Bi, Blende; Bz, Borax; C, Copper; D Diamond; G, Gold; I, Iron: I Lead; M, Mundle; N, Nitrates; P, Phosphates; Q, Quicksilver; R, Ruby; S, Silver; S-I, Silver-lead; Sul, Sulphur; T, Tin; and Z, Zinc, " in the "Amount of Share" column of British Mines signifies that the mine is conducted on "Cost Book" principles; I in the "Head Office" column of African Mines signifies that the address given is not that of the head office but of a sub, or transfer office; and I, following

"." The following is by far the most complete and comprehensive list of mines, in whose shares business is being currently transacted, published. Additions will be made from time to time as occasion requires. Every effort is made to ensure securacy, and Secretaries of Companies, Share Dealers, and our readers generally, are cordially invited to co-operate with us to this end, by notifying us of any errors that may at any time occur. We daily a transacted of the contract of

-			AF	RICAN	MINE	Amount			AFRICAN MINES—(Continued).								
Name.	Closing Price. June 5, 1896	Closing Price May 29, 1896.	Am't of Shar	when last XI and Dividend.	Calle up Pe Share	of Stock	Situation	Head Office.	Name.	Closing Price, May 29, 1898	Closing Price, May 22, 1896.	Am°t. of Share	When last XD and Dividend.	Called up Per Share.	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Head Office.
bott's Con, Reefs dier Consolidate rican Estates	236 27/1	6/ 7/ 134 136 134 136 136 136	1 1	2/& rtsOc.16 S	2 0 1 0 1 0	0 250,00	3 6	Broad Street Avenue 1, Moorgate place. 3, Copthail-building	DeepG	376 436 31/16 23/16	2% 356 156 134	1 0	rts Aug 10 '95	1 0 0	160,000 195,000	Rand Heidelberg	96, Gresham Ho.,1 8 Old Jewry.
rienta	11/16 13/16	1% 1% 1% 1%	11	rts Oct 30 's	95 1 0 1 0 95 1 0	0 175,000 1,675,00 40,000	Trapsvaal	23, College Hill, 34, Clement's lane 23, College Hill	North Randfontein Nourse Deep	136 236 436 5	134 2 334 434	1 0	-	1 0 0	235,000 375,000	- Rand	8, Princes street
exandra Estate G iglo-French Exp. ,, Matabeleland	57/16 9/16 X		1 5 0	7/ May 29 '8	6 5 0		8. Africa Matabld.	3, Princes street Winchester House.	Oceana	113/18 115/18 36 34	134 134 9/36 11/16	1 0	2/-Nov. 28 '95	1 0 0	357,400 50,000	Wtrbg Lyn Heidebrg.	120, Bishopgt, st., W
west United	136 156 136 134 13/18 15/18	11/4 11/4 11/4 11/4 2/6 1	1 0	5% Mar, '93 3/-Dec. 26'9	1 0	0 100,000	Rand	Dashwood House, 8, Old Jewry. I 7, Lothbury Token. Ho., Cpthil A	Orange F.S.E D Orion (New)G	314 334 176 2	3½ 3½ 1½6 1%6	1 0	2/6 Apr.,29, 96 10 % Aug. '95	1 0 0	284,000 30,000	OrangeF.S.	10, Moorgate
Land	2/6 3/ 8/6 7/	2/ 2.6 5/3 5/9	10/	1/ Feb. 13, '96	0 10	6 520,000 6 520,000		\$5, Gracechurch-st.	Panri Central G Pardy's Mozambq.	11/10 19/10 1/10 1/10	15/10 17/16 134 154	1 0	rts Mar 12 '96	1 0 0	138,750	Transvaal . S.E. Africa	8, Old Jewry.  120, Bishopsgt et, W. Broad St. Avenue.
rnato Bank Consol	236 236 3 356 13/6 14/6	156 313/ 156 13/4 23/6 23/6 11/6 12/6	1 0	rts Sep 24 '95	1 0 1 0	0 2,625,000	=	15, Geo. st., Mn Ho. 7, Lothbury 17, Basinghall-street	Piggs Peak G	13/16 13/16	36 36	1 0	-	0 17 0		Swazielnd.	6. Queen-street-plat
, Trad g A soc.	13/16 115/16	17/16 19/16 134 136	1 0	rts Jy 24 '95 5 pc Jan 16, 96	1 0	0 400,00	Bechuana.	19, St. Swithin's-lane 72, Basinghall street		134 134 11/16 13/16 33/8 3/4	136 156 36 36 213/16 213/18	1 0	2/ Feb. 13'86	1 0 0	389,750	Rad Potchefst Rand	1, Bank Buildings 19, Bury-st., E.C.
Golden Quarry cek "B" Lang. nanza	23/16 21/16 215/16 31/16	156 17 156 134 256 2%	1 0	=	1 0 1 0	0 483,226 0 535,000 0 2 0,000	Raap Eivr Rand Turffont'n	8, Princes-st , E.C.;	Rand Central Ore	2 2½ 3½a 3%a	2 2 1 1 2 3 1 16 27 14 28 34		25 p c Aug. 95	1 0 0	115,000	Rand	8, Princes-street, E.
t. S. A. Char Melsdoorn G ., Central ,, Consolidated	276 3 276 3 36 %	23/16 23/16 23/16 23/16 3/16 11/16	1 0	rts Jy 26 '95		0 250,000 0 250,000 0 225,000	9. Africa Potchefstr	15, St. Swithin's land 7, Lothbury. 8, Old Jewry Warnford Court	Rand-Rhodesia Ex	138 (3)	13/16 11/16 53/4 63/4	1 0	0 p.c. Oct, '96	1 0 0	25,000	R&Rhodesa	123, "1
e Asbestos	34 1	34 1 236 256 256 276	1 0	2/6 Dec.16, '95	1 0	0 50,311	Orange Rv Cape Col.	19, St. Swithin's-land 9, Queen-street-place	This was a	7% 7% 6 7 1% 2 9% 9%	6 8% 7% 8% 1% 1%	1 0	/ Apl: 15, 96	1 0 0 1 0 0 1 0 0 1	7=0,000 500,000	Mt & Mash'i M'nR'(R'nd Kaal Valley	8, Old Jewry. 8, Prince'd-street 120, Bishopsgate st. 8 Prince'd-street
6 % Pref sei Coal	29/16 211/16 23/4 3 13/4 13/4 /9 1/3	1/ 1/6	1 0 5/-	2/6 Dec.16, '95	1 0 2	0 45,000 75,000	Johanbrg. De Kaap	99, Cannon-street. Paimerston Bidgs	Bandfan.	934 954 874 954 13a 154	136 136	5 0	8/ Feb 13'56	5 0 6	550,000	M. Rf. rand Rand	28, Austin Friars E. 8, Prince's-street.
Roodp't Deep amp d'Or G arterland G.F	234 234 234 234 24 76	176 236 236 236 56 36	1 0	3/2 Feb. 27 96	1 0	116,016	Rand	136, Bishopsgate st.  8, Old Jewry, E.C. 19, S. Swithin's lane	Roodepoort Deep Roodepoort Un. G Rose Deep	31/6 3 M 57/6 51/6 5 51/6 8/ 10/	57/16 215/16 57/16 59/18 434 5/4 8/ 10/	1 0	5/ Feb 13 '96	1 0 0 1 0 0 1 0 0	170,000 130,000 300,000	M. Ri, rand	8, Old Jewry, E.C. Warnford-court.1 30-31, 8,8witn's, lane
y and Sub. NwG	136 436 33/ 31/	136 136 436 436 33/ 34/	1 0	10/- June'95 9d, Jan. 16 '56	1 0 0	150,000 340,000 721,500	Rand	Winchester Ho, Gresham Ho. 62, Lombard-st	St. Angelo St. Helen's Devel,	134 S	8/ 10/ 4 434 234 234	1 0	=	1 00	175,000 47,950	3. Africa	55, Bishopagate st. Winchester House, 13, S. Helen's Piace,
G. Fields B A	5% 6 13% 13% 25/ 26/ 108% 109%	5 51/6 115/6 113/6 13/10 15/10	1 (	4/- Jy 11 '95 10/(May 14 '96 7 1-5d De30'95	1 0 0	187,250 250,00 1,243,959	Transvaal S. Africa	30, St. Swithin's-lane 8, Old Jewry,	Salisbury New	236 234	376 436 13/16 115/16		/- Apr. 15 '98	1 0 0	99,000 850,000	Kand Lydenburg	18, S. Heien's place.
wn DeepG	1134 1234 12 1234	11 12 11½ 11¾	1 0	5% Jan. 2 '96 C/-Apr. 29 '96	1 00	250,030	Rand	120, Bishopsgate-st.	Simmer & JackG S.A GoldTrust New South West Rand Spitzkon (New) G	22 23 834 9 36 36 22/ 23/-	19% 20% 7% 7% %1a 1%a 1%a 13%	1 0	7/ Aug 14 95 15/ Feb 27 '96	1 0 0	250,000   E	Rand S. Africa Rand Lyde burg	S, Old Jewry. Winchester House.
Beers Consoi, D	3.34 3.36	2956 293. 16836 1693	5 0	16/- Jan. 16's6 5% Jan. 2'96		789,791 £3,500000	Kimberi'y	52, Lombard-street.	Spitzkop (New) G StanhopeG Sutherland RG	4/ 5/	5/ 6/	1 0	-	1 0 0	220,000	Rand Zoutpan bg	15, Bishopsgt-st, W. 98, Gresham Ho., E. Dashwood Ho.
etontein	4/ 5/ 256 276	103 % 1043 4/ 5/ 2 236 646 636	1 0	5%% Oct. '95	1 0 0	175,000	Doornkop	Warnford Court Winchester Ho,	Tati Concessions Trans. Coal Trust ,, Consolidate	25/14 27/16 1	115/16 21/16 11/16 115/16 17/8 23/8	1 0 1	rta Jy. 22 '95 /-Apr. 29, 96	1 00	485,131 1	Rand	Gresham House, Broad-st, House, E ( 120, BishopsgtestWn,
ban Roodept. G , Deep	734 736 334 434 136 134	5% 63% 3% 3% 3% 1	1 0	3/- Dec, 16 '95 rts May 14 '96	1 00	240,000	Rand	28, Leadenhall-bldg. 52, Leadenhall Street	Gen. Assoc.	316 336	256 276		0/-Mar, 12 '96 /- Apr. 15 '96	1 0 0	428,600 185,000 135,000 8	; 3. A. R	10, New Broad-st. E.O. 3), S. Swithn's lane. 120, Bishopsgt-st. Wo
RandG	713/10715/10 13/10715/10 13/10715/10 13/10715/10	634 834	1 0	5/- Mar. 12 '96	1 00	275,000 570,000 148,000	Rand	8, Old Jewry. 170, Winchester-ho. 30, 8, Swithin's-ln.	Treasury	3 % 3 % 3 % 3 % 1 % 1 %	314 314 36 34 314 334	1 0	216 % Sep.'91	1 0 0	79,915 1	Pransvaal .	25, Abchurcu Lane. Warnford Court. 123, Bishopsgte 5:.
loring L&M	2014 21	1 13%		2/ Dec. 16, '95 13/ Mar. 12 '98	1 0 0	45,000	Rand	19, 120,Bishopegt st.Wn	Un. Ivy ReefG U. Langlaagte(N)G	1 156 156 156 56 36	76 1 76 136	1 0	2% Jan. '94	1 0 0	45,000 T	Fransvaal .	110, Cannon-street, 85, Gresham Ho. E.O.
denhuis Deep G	536 7 436 436	234 276 514 8 374 414	1 0	6/- Jy 26 '95	1 0 0	265,000	Transvaal . Rand	28, Austin Friars, 30,8t, Swithin's-lane, 120, Bishopsgt st, Wn;	Van Ryn G North	55 556 56 556 76 136	% 1 4% 5	0 4			150,000 E	-	16, S. Helen's-,d., E.O. 18, St. Swithin's-in,
main Reef	11/16 13/16 29/16 211/16 24/16 25/16	21/16 28/16 111/16 113/16	1 0	2/ Feb. 13 96	1 0 0	150,000 100,000 130,000	Drietfon .	Warnford Court, E.C. Johannesburg. Warnford Court, B.O.	Venterskroon	3 3M 34 1 1 1M	34 1 36 156	-0	=	1 0 0	120,000   H 125,000   H 130,000   H	Rand Rooderand Rand	8, Old Jewry Winchester House
neairn	1	3/18 3/16	1 0	2/6 Feb. 13 '96	1 0 0		Rand	2, Dravers-gardens. 8, Old Jewry.	Viliage Main Reef Vogelstruis Estate Cons. Desp	836 876 336 4 236 256	6 2 6 3 4 3 4 3 3 4 2 2 3 4	0	Ξ	1 0 0	177,000 200,000 327,750	69 61	8, Old Jewry. Winchester House. 16, Geo. St. Mn. Hol
. Fis. DeepG . of Lydenb'rg . of Mashonid of T.de Fuego	1136 1136 25a 23a 5/16 7/16 4/3 4/9	936 936 236 236 910 710 5/- 5/5	1 0	Ξ	1 0 0	200,000	Lydenb'rg Mashonid.	7, Lothbury. 19, St. Swithin's-in.	WemmerG	9% 9%	874 914			1 00	55,000 R	and	147, Cannon-street  19, Bury-street, [* Suffoik House,
Estro, Colliery	5/ 5/6 11/4 11/4 81/4 81/4	13/4 13/4	5/- 1 0 10 0	236 % Mar. '92. 4/ Jan 16, '96	0 5 0 1 0 0 10 0 0	376,666	Lydenburg Grootolei Transvaal	2, Tokenhouse Bidgs 8, Finch Lane 62, Lombard-street	West Hand	2 234	136 .36	0		1 00 7	240,000 R	fashonald	3, Geo. St., Mans. Un.
delbg, Est. Ex:	76 1		1 0	-	1 0 0		Heildelbg .	85, Gracechurch st.	Witwatersrand G WolhuterG WorcesterG	73/10 75/10 8 834 934 454	636 636 1 736 736 1 436 436 1	0 rt	s Apr 26 '94 -Mar 12 '96	1 00 1	30,000	and	19, Bury-st., E.U. Warnford-court.† 8, Old Jewry.[
derson's Trans ry NourseG	234 276 134 734 36 34	63/6 67/6 76 %	1 0	Ξ	1 0 0		Zoutpar.bg De Kaap Middlevei.	Warnford-court. 55, Bishopsgate stWn	ambesia Explora.	13/16 213/16 2	%s 25/18 1	0	-   1	00	65,000 Pr	ransvaal .	30-31. Clement's laug
Reef	% 5/16 4 444		1 0	20 % Oct. '95	1 0 0	57,404 650,000		21, Mineing Lane. 7, Lothbury.				BITT	ISH MIN	TES.			
Pioneer	9% 10	8 856 7 756	1 0	1216 % Nov. '93 4/ Apr. 29 '96 6/- Mar. 27 '96	1 0 0	30,000 100,000	Rand	Johannesburg. 8, Old Jewry.† 120, Bishopsgt st,Wn]				a .	TOIL MILE			,	
berieyD	7% 7% 3% 3% % pm 2% 2%	% % pm	1 0	2/ Jan 16, '95	0 10 0	98,672	Kimberley	30, S. Swithin's lane. 19, Finebury circus.	Basset	76 1 1/ 2/ 8/ 9/	17/ 18/6 1/ 1/6 9/ 12/	.0		1 0 0 6 19 5 2 8 5	65,000 C 5,353 8,000		Redruth. Camborns. Carn Brea.
kedorp	234 234	23/6 23/6	10/-	=	1 0 0	295,194	Kierksdorp Rand Jacobsdaai	2, Drapers-gardens. 110, Cannon St. 8, Old Jewry 6, Gt. St. Holen's.	Devon Gawton CA , Gt Cons. CA Dolcoath7	15/ 20/ 18/ 20/ 13/ 13/	76 1 1 156 14/6 15/	0 1	-	0 12 6	25,000 T 10,240 D 188,000 C	hvistock Devon	Amborne.
enster	236 256 576 636	216 216 5X 516 2 216	1 0 4	5/ Feb 13 '96	1 0 0	226,500 470,000	Luip, Viei	120, Bishopegt st. Wn 59, Holborn Viaduot	Drakewalls CTM East PoolA7	5/ 6/ /3 /6 2% 2%	5/ 5/6 /3 /6 236 236	5/0 1		76 20 99	25,000 61,856 6,400 C 15,000 L	owner mall	Dashwood Bouse. Hogan. Fresham House.
Biar	136 236	156 136	1 0	rte. Mar, 6 '95	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	170,000	:	2, Drapers-gardens. Suffolk House,	Great LaxeyL isie of MauL KillifrethT LeadhilisL	134 134 534 6 8/6 7/6 1 134	134 136 5 536 6 5 10/ 11/6 1 136 6	0 11	/ Feb. 27'96   8 /6 Nov., 94   8 - Oct. 16 '96   8	15 8	11,000   f. 6,000   C. 20,000   La	ornwall 1	fraro. 0. Finsbury-circus.
Paris Flu & M.	6/6 7/ 5/16 17/16 14 14%	5/3 5/9 15/10 11/10 14 14/2	1 0	/- Mar. 12 '66	1 0 0 0 10 0	500,000	Lydenburg S. Africa	53, Old Broad Street. 19, Finsbury-circus.	Polberro 7 Bo. Condurrow TC	4 434 36 36 17 2/	3% 4 4/ 5/ 36 %	: 3	- Nov., '94 11 /6 Apr. '93 7	9 6 1 5 17 6	2,500 Ca 18,000 S.A 6,123 Ca	Agnes,Cl. 3 ornwall 2	7, Walbrook. 0, Great St. Helens
nards Vlei Est.	1% 21/18 1% 15%	15h 15k 15k 15k	1 0	6% Mar, '90	1 0 0	319,003	Rand Lydenburg	Warnford-court 7 85, Gracech, Street	", Crofty TA	10/ 11/	9/ 10/	*	- 17	7 6	5,769 6,000 Co	ornwall C	larn Bres.
M'g, Est.	536 536	36 36 436 436	1 0	=	1 0 0	300,000	Rand	120, Bishopsgte St.	WeardaleL West KittyT Wheal AgarTA	8/9 2 254 4/ 5/	176 2 36 M	* 2	/- Dec, '94 1 6 Aug. '88 23	15 2	6,000 Co	Prowall 3	. Lombard-couch. 7. Walbrook. Sedruth
nani Gold Syn	136 136 3/6 4/6 276 336 1 136	17/a 19/a 5/6 4/6 23/2 3/6 1 1%	2/E 1 0 1 0	=	0 26 1 0 0 1 0 0	200,000 1 60,000 1 250,000	Ransvaal	Throgmorton House, 15, George St , Mn H	Grenville T	1/ 1/6 5% 63% 2/ 3/	1/ 1/6 5% 5% 2/6 3/	: 3/-	Nov 28 '95 18 - Mar, '88 4	12 9 2 0 5 6	8,000 8,590	: 2	Copthall Bidgs.E.O., Union-court, E.U., ruro. Broad-street Av.
Cential.	1 134	2 236 36 1	1 0	2/ Ap. 16 '96	1 0 0	180,000	26	8, Old Jewry, E.C.	" Metal &F. T	3/ 1/	5,E 4/	•	-   0	30	60,000	"  1	A Michael and
betel'd G. R'f Con. (New) G r & OhnriG	436 436 115/3. 31/5. 636 638	3% 4 19% 215/10 6% 6%		/- Mar. 12 96 5/ Feb, 13 96	1 0 0		land	3, Copthall-buildings. 4, Lothbury. I 1, Crosby Square. I		1	NDIAN	ANI	ASIATI	C MI	NES.		
s Selection	N4 834	3/4 1	1 0	=	1 0 0 1 0 0 1 0 0	150,000 100,010 200,000 1	Rand	Winchester House. 33, Br'd St. Avenue. 13, George Street	1		1	.1	1	1		-41- 1-	7, Queen-street-p
neux Consuli.	% 21/1A	136 156	1 0	=	1 0 0	-	Modderftn	28, Austin Frias 120, Bishopsgate st	Balaghat Mysore G Burma RubyR	34 36	4/9 5/3 1 34 34 1	0	- (	0 18 0	298,551 H	Jurmab 8	uffolk House E
mbiqueG	36 1 30 13360	136 136	1 0	-/4 May '90	1 0 0	240,000 400,000	S.E. Africa	Gresham House. I 13, Austin Friars.	ChamptonReefG Coiar CentralG Coromandel G	1 136	1/16 53/16 1 1/ 1/8 1 196 136 1	0	-	0 0 0 1	95,000	** Di	7, Queen-stplans
squaC	136: 436			2/6 July '91 0/ Dec. 30 '95	2 0 0	190,000	- 1	34, Leadenhall-bids.	GoldFideMysore G Kadur Mysore Kempinkote GdFd	1/- 1/6	6,6 7/	5/	=	0 5 0 4		ndia 6	7. Queen-street of opthali House, E. 3. 7. Queen-st. 11 cd. 7. Queen-st. 12 cd. 7. Queen-street pt.
	1% 3%	1 136 1 236 256 1 136 156 1	1 C 1	- Mar. 27 '96 ts Apr 17 '95	1 00	100,000 R 175,000 H 265,000 L	land Icideiburg anglasgte	8. Old Jewry, E.O Winchester-house, 120, Bishopegt.st, Wn	My. HarnballiG	734 734 7 -/9 1/3 9/ 10/	1/ 1/6 1 9/ 10/ 1	0 4/	- 1	0 0 1 0 0 1	148,354 100,007 160,000	61 5- 22 6- 23 6-	7. Queen de e ol. 7. Queen de e ol. Gt. Whate is 52
Cornet G		5.9 0/3 1	0	5 % Dec. '89 [	1 00	404,344 G 88,750 R	rigualand	110, Cannon-street.	West(N)G Wynasd G	1 134	13/16 13/10 1 13/6 13/6 1	0   150	Jan. 16 '96 6	19 0   1	27,408 25,000 50,000		7, Queens remain
Comet G Cornet	1136	936 936 1	0 1:0	Apr. 29, '98 / Apr. 15 '96	5 0 0	200,000 1	ransvani,	S, Copthail-buildings			7/9 8/3 11 3/a 315/a 1	0 21	Mar 12 '86 1	00 2	00,,00		11
Dhimes G Comet G Forces us G Gerdon D Heriot G Jageraf D Ileinfonteix G Middas S Primrobe G	36 9 36 3 136 9 36 9 36 9 36 9	936 936 1	0 10 1 0 13 0 rt 0 5			200,000 E 87,501 H 150,000 M 278,750 H	lid'le Viel	Winchester House 120, Bishopsgt-st, W 2, Draper's-gardens, Warnford-ct., N.O.	Sundvdroog G	136 3 % 11 336 336 31 456 436 31	2/10 315/10 1 5/10 215/16 1 4/16 4/16 1 3/16 3/16 1	0 2/-	Mar 12 '96 i Apr. 15 '96 i Apr	00 3	00,000 45,000 07,011 12,989	11	Jeffrey's st. E.O.

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#### "THE MINING JOURNAL" SHARE LIST—(Continued)

	AUSTE	ALIAN	D NEW	ZEAL	AND	MINES		AUSTRALIAN AND NEW ZEALAND MINES-(Continued).									
yame.	Closing Price, June 5, 1898	Closing Price, May 29, 1895.	Am't. of Share	When last XD and Dividend.	Called up per Share,	Amount of Stock or No. of Bhares Issued.	Situation of Mine,	Read Office	Name,	Closing Price, June 5, 1898	Closing Price- May 29. 1896	Am't. of share	When lastXD and Dividend	Called up Per Share.	Amount of Stock or No. of Saares Issued.	Situation of Mine.	Head Office
schilles Gld Fld.	2/3 2/9 156 1%	2/3 2/9 1½ 1¾	2/6 1 0	1/ May. 14 '56	0 2 6 1 0 0	642,456 100.0.0	Otago, N.Z	11, Poultry. 4-6, Throg. Avenue.	W. A. General ,, Australian G.F.	41% 43% 10 103% 136 2 pm 9/- 9/6	4% 4% 9% 9% 1% 2 pm	1 0 1 0 1 0	rts Mar 12'96 10/ Oct 30, 95	0 14 0 1 0 0 1 0 0	65,000 40,000	W. Austral Coolgardie W. Austral	28, St. Swithin s.ln. 28-29, 3, Princes Street
Founders	236 236 35 45 76 136 pm	234 254 35 43 34 1pm	1 0	100 % '95 £4 16/8 2-5d'95 5/- Oct 30 '95	1 0 0 1 0 0 0 10 0	99,000 1,000 40,000	W. Austral	22, Austin Friars, 79, Queen Street,	Bhare Corp.	2½ 2½ pm	9/3 9/9 2½ 2½ ppu 19/16 111/16 pm	5/ 1 0 1 0	75d.Mar.:7'98 rts Oct 19 95	0 5 0 0 15 0 0 5 C	320,000 19,993 200,0:0	**	139, Cannon-street, 28, St. Swithin's In
Ger. Explor.	56 34 316 316	1 1% pm 5% 34 413/18 213/18	1 0	5/ Oct. 20'95	0 10 U 1 0 0 1 0 0	50,000 90,007 375.00	Cool., W.A.	4, Gt. Winchester St.	West Boulder	13/10 15/10	2% 3 pm	1_0	15/ Oct. 30 '95	1 00	60,000	Coolgardie	28 & 29.5, Swithin's in
Australiani	3/6 4/ /6 1/	-/3 -/9	20 0	-/6 Mar., '92 -/9 Aug. '95 1/- June, '91	7 7 8 1 0 C	10,000 218,315 22,708	Gymp.Q'ld 3. Austral, BarR.NSW	6, Queen-st. place 42. New Broad-street	White Feather  Zapopan	234 234 3/ 4/	27/16 23/18 3/ 4/	1 0	-/4 Dec. 95	1 0 0	25,000 66,000	-	70, Bishop-gate-street
Baker's CreekG	36 76 36 34 5/ 6/	11/16 12/16 36 34 4/6 5/8	1 0	1/- May '95	0 17 6	500,000 165,000	H'gveNSW W. Austral	Hillgrove, N.S.Wale	99 93 ···	=	=	iŏ	214 Dec. 95	0 2 8	12,000	"	15
Backett's Claim G	115/10 21/10	% % % % % % % % % % % % % % % % % % %	1 0	-/4 Dec. 94	1 0 0	180,000 180,000 55,000	W. Austral	P'ab'y, H. Bl'mi'ld St. 151, Cannon Street. 16, St. Helen's Place. 4, Blahopsgte St. Wn				EUR	OPEAN I	MINE	s.		
pagroves Freehid	3/9 4/3	3/9 4/3 6/6 7/6	1 0 2/6 1 0	Ξ	1 0 0 0 2 6 0 18 6	140,000 500,000 120,000	Coolgardie Corom. N Z C. T.Q'iand	1, Metal Exch. Bidge Dashwood House.	AlamillosL	1% 1%	1% 1%	2 0	1/9 Apr 15 '96		35,000		6, Queen-street-place
B ockG	1716 1716	15/16 15/16 15/16 11/16 11/2 11/4	10/	-/8 Apr.27, '96 -/6 Dec. 16 '95 /9 May 14 '96	2 0 0 1 0 0 C 10 0	70,000 72,000	N.S. Wales	Charters Towers, 16, S. Helen's Piace Charters Towers,	FortunaL	7% 7% % 1 2% 3%	7% 7%	8 0	5/- July 94	200	25,000	Spain	Dashwood Ho., E.C.
Broad Arrow	9/9 3/3	2/3 2/9 2½ 2½	5/	1/- Apl. 15 '98	0 4 6	100,000 960,000	W.Feather	Dashwood Ho., E.C. 57, Moorgate Street. 3, Gt. Winchester st.	Libiola	276 316 516 516 3 314 7/6 8/6	2 1/4 3 1/6 5 1/4 5 1/4 3 3 1/4 7/6 8/6	5 0 5 0 3 0	4/- Apr. 29 '96 9/- Apr 15 '96 2/ May 23 '94	3 0 0	50,400 14,998 185,172 67,609	Portugal	6, Queen-street-place. 87, Cannon-street. 6-7, Queen-street-pl.
Balbank sBirobd'y	1% 1%	1% 1%	1 0	=	1 0 0	125,0 0 150,006	Coolgardie	4, Gt. Winchester st Copthall House,	PontgibaudSL Nio TintoC ,, (1st Mrt. Bds)	2276 2336 10436 10536	2236 2256	20 0	11/6 Dec. '94 10/- Oct.30 '95 4% Apt. 1, 96	100 0 0	14,000 325.000 £3600,000	Coueron Spain	30, St. Swithin's-lane
Castidy Hill G		13/6 13/6 15/16 11/18 1/6 M pm	1 0	4.8d Mar 12'96	1 0 0	93,522	W. Austral	9-10, King Street, E. Wor'st'r Ho., Waibr'k 1, Met. Exchg. Bldgs	Tharsis	5% 6	5% 5%	10 0	7/- Apr 29 '98 17 Mar. 31 '96 87 Mar. 31 '96	2 0 0	95,000 825,000 1,500	Servia Spain Germany	120, Bishopsgt-st, Wn! Glasgow. Walbrook Ho., E.C.
ot W.A.	1/16 19/16 1/9 2/3 /9 1/3	1/16 19/16 1/9 2/3 /9 1/3	10/	1/7% Mar 27 96	1 0 0 0 9 6 0 9 6	122,000 200,000 300,000	W. Austral Queenslad		" Prussian Pre. " Prussian Or. Wohlfabrt	Ξ	=	10 0	47 Mar. 31 96 37 Dec. 94 37 Dec. 94	10 0 0	5,450 14,050 99,634 9 890	Prussia	17, Victoria-st., S.W
Gold Fields	454 4%pm 13/16 15/16pm	45% 4% pm % 13% pm % %	1 0	10/ Mar. 27 '96	0 10 0 0 12 6 1 0 0	21,140 75,250 246,779	W. Austral	139 70, Cornhill. 30, Moorgate Street.	***************************************		Non	1		1			
Murchison	78 74 13/10 15/10	13/16 15/16	1 0		1 0 0	225,583 104,467	Murc., W A W. Austral	Broad Street House. Broad Street House.			NOR	I.H	AMERICA	1	1	1	
colgardie Gold gint & 1.kg. (nren' Cal G	211/16 213/16 1/0 2/6	21/16 2/16 1/6 2/	10/	1/ Feb. 16 '96 -/3 June 94	0 5 0 1 0 0 0 4 8	90,000 150,000 100,000	Queensind	Broad Street Avenue 30, 8, Swithin's in. 30-1, 8, Swithin's-le.	Alaska MexicanG	1% 1% 4% 5%	1% 1% 4% 5%	\$5 \$25	4 4-5d. Feb.,98 1/6 Dec 24, '95	\$5 \$25	160,000	Alaska	30, St. Swithin's-in
cambrind (New)G	27/16 29/16 15/16 11/16 /9 1/3	236 236 136 136 /9 1/3	1 0	2/6 Dec,'87	1 0 0 0 0 19 0	115,000 75,000 184,690	Hann's WA	Blomfield House 110, Cannon-st., E.C. Blomfield House E C	Anglo MexicanS Arizona (Pref.) Cu	5% 5% % 1/4 61/3 61/6	52/3 62/6 1:0% 112	5 0	1/- Apr. 15 96 1/6 Feb. 13,'96 61/2 May.14'96	4 0 0	74,850 158,920 £135,300	Arizona	23, College Hill; 74, Geost., Edimber
Day Dawm B.& W.G. P. C. G	13/3 13/9 3/9 4/3	13/ 13 6 3/9 4/3	1 0	-/6 Mar 12 '96 -/6 Apr. '92	1 0 0	498,400 490,000	91	16, 8, Helen's Place Winchester Ho., E C	,, 6¼ A Deben. ,, 7% B Deben. De LamarGS	15/ 16/	15/- 15/-	100 0	6½ % May 14'96 7% May 14'96 1/- Feb, 13 '96		£181,300	Idaho	6, Drapers-gardens.
Igishaw k	1/ 1/6 13/16 11/18	1/ 1/8	1 0	=	0 18 0	2,500	Victoria Mt.Margrt	71-72, King Wm. St. Finsbury House.	Dickens Custer GS	-/9 1/3	-/9 1/3	1 0	-	6 19 9	420,000	29	Winchester Ho. E.C.
Inderers Synd  Yagall k'is, Extd  Research	% % % pm	36 % pm	10	2/8 April 29'96 1/4 Jan. 16 '96	1 0 0	150,000	W.Austral	Copthall House	Doric	7/6 8/ %dis % pm.	7/6 8/ 3/6dia 3/6pm	1 0	-/3 June 26 '95	0 5 0	125,000	Colorado Montana	6, Draper's-gardens.
mentar Cons	1% 1%	23/16 25/16 19/16 111/16 34 1		=	1 00	300,000	N S Wales. W. Austral	18, St. Swithin's in 6, Queen-street-place 43, Threadneedle st	Gen. M'g. Assoc,	614 7 %16 11/16	634 7xd	5 10	12/-May 14'98	5 10 0	27,469	C. Breton California	Blomfield House.  S'. Stephens Cs E.C.
siden Cement G	179 2/3	1/9 2/3	1 0	=	0 80	225,000 175,000	N. Zea land W. Austral		Golden Feather G GateG LeafG	3/- 4/- 1/- 1/8	3/ 4/ 1/ 1/6	1 0	=	1 0 0	79,600 300,259	Montana	8, Draper's Gardens.
GateG	234 236 /8 1/6 25/16 27/16	236 256	10/	Ξ	1 0 0 0 10 0 1 0 0	150,000	Queen sind W.Austra:	54, Old Broad Street, 34-36, Gresham-st.	Harquabala G Holcomb Valley G	3/ 3/6	3/ 3/6	1 0	-/6Nov.14,'94	0 5 0	300,000 540,000	Arizona California	8, Draper's Gardens. 14, Cornhill, E.C.
" Link G " Pium G fold Estates G	15/16 17/16 15/16 15/16 25% 25/4	256 236	1 0	5/- Oct 30' 95 3/ Dec 30 '95	1 0 0 1 0 0	90,000 120,000 60,000	:	9-10. King Street, E.C 4. Bishopsgate Street 20. Bishopsgte-st Wn	Jackson Goldfields	/9 1/3	/9 1/3	5 0	-	0 8 0	408,635	" Colomba	11, Poultry, E.C.
Junction M'n R'fs Fingail Rts.	10% 10% 17/18 19/18 13/18 13/18 13/18 13/18	936 936 136 136 115/16115/16	10/	2/- May 14 '96 - 5 % Jan. 16, 96	0 10 0	240,000 240,000 175,000	Yilgarn	3, Gracechurch at. Worc. Ho., Walbrook 3, Princes dtreet. Broad Street House	La YescaGS	1/ 1/6	1/ 1/3	1 0	1/3 Oct. '82	0 4 6	405,000 200,000	Mexico	11, Poultry, E.O. 20, Bucklersbury, EO
Gosham Synd	% 1 pm 234 2 %	1% 2% 1% 2%	1 0	4/- Oct 30 '95	1 0 0	50,000	W. Austral	13-14, Abchurch in. 82, Gordon st., Glas.	Montana GS	7/6 8/	7/3 7/9	1 0	-/3 Mar 27 '96 1/- Oct. '92	0 19 0	857,158 110,000	Montana Colorado	Gresham House, E.C. 25A, Old Broad-st.
imptonGoldFlds GoldHill Plains	1 136 /6 1/ 53/16 51/16	11/10 13/16 -/6 1/- 59/10 511/10	11 0	rts May 14 '96	1 0 0	300,000	Cool. W.A.	9, 8. Mildred's Ot. 93-94, Gracechurch st 29, 8. Swithin's lane	PalmarejoGS	3/ 3/6	2/8 3/	1 0	-	1 0 0	418,888	Mexico	32, Old Jewry, E.C.
Plains Ex finan's Brwn Hii Main Reef North	9/ 10/ 6% 7 16/ 17/ 156 134	9/10/ 611/16 613/10 9/6 10/0 1 134	1 0	Ξ	0 18 0 1 0 0 0 10 0	180,000 65,000 51,107	Kalg.W.A.	Suffolk House, E.C. Broad Street House. 18, St. Swithin's in,	PinosAltos(Df)GS RichmondGSL	1 1%	36 % 136	5 0	-/6 Mar.' 90 1/- Dec. 16 '95	5 0 0	54,000	Nevada	110, Cannon-street. 44, Coleman-street.
" 100 Acre	136 136 256 236	136 134	1 0	=	1 0 0	=	**	33, Cornhil. Dashwood House, 20, Bucklersbury 139, Cannon Street.	St. George	/9 1/3	/9 1/3 5/10 1/10	6/	-/3 Apr. 29 '96	2 0 0	122,500		S. Geo Ho., E'cheap 133, Leadenhall-st.
, Roward G	436 456 136 156 17/0 18/6	1 5/1611/16 15/6 16/	1 0	1/ Mar. 27 '96	1 0 0	70,000	Hann.WA E.Coolgde. Coromndi.	Bartholomew Ho, Finsbury House E.C Dashwood Ho.; E.C	"Plumas Eur. G	%a %a	1/16 9/16	1 0	-/9 Apr. 29 '96	2 0 0	140,265	**	**
Ex or Miss	256 236 5/ 6/	9/16 11/16 296 276	1 0	=	1 0 0	120,800	W. Austral Cool., W.A.	71-72, King Wm, St. 1, Queen Vio. St.	SpringdaleG Twin Lake Placers	1 1%	1 136	1 0	-/2 Sep. 28, 9 3/- Peb. '95	1 0 0	26,000	Colorado	5, Lawrence P. Hl. E
laho	1/6 2 /	5/ 6/ 1/6 2/ 1 <sup>13</sup> / <sub>16</sub> 1 <sup>13</sup> / <sub>18</sub>	10/	-/6 Jan.,16 '96	0 5 0	249,250 34,0 0	W. Austral Queensind W. Austral	70-71,Bishopsgate st		SOUTI	H AND	CE	NTRAL A	MERI	CAN	MINES.	
Aspanga	17/6 18/6 7/6 6/6 36 35 pm 12/3 12/9	18/6 17/ 7/6 8/6 34 36 pm 9/ 10/	1 0	rts May 24 '95	0 19 6 0 18 0 0 15 0	249,760 80,340 44,000	M. Zesland Murchison W. Austral	9, New Broad-street. 33, Broad-st. Avenue	Anglo-Chillan PiN	1016 11	10% 11	10 0	7/0 Feb. 27 96	10 0 0	35,000	Antofaget.	123, Bishops,-st W
iumaipi	€/6 7/6	311/20 313/20	1 0	=	1 0 0	70,000	Ha'raki, NZ Coolgardie	Dashwood House, Throgmorton House 34-36. Gresham-st,	,, 8% RyletMB	110 113 1/6 2/	1/6 2/	2/	6% Jan. 2 '96	0 2 0	150,000	S. Luis	3 & 5, Queen Strant.
" Mary Amalg. " Shenton lateView& BldrE, limerick	77% 81%	7% 7%	1 0	-/6 Jan. 2 '95	1 00	46,000	Murchison	Finsbury House. 18, St. Swithin's In 90, Cannon Street.	Caratal	/9 1/3 36 1 -/3 /9	1/ 1/5 76 1 -/3 /9 156 2	2/6	1/- Apr. 94	0 2 6 2 0 0 0 4 0 5 0 0	1,330,C03 125,000 200,000 32,000	Venezuela Peru Cutombia Chili	57, Moorgate-st. E.O 52, Leadenhall street 5,Copthall-bdgs., E.O 12, King-st., Liverp'i
is & Con. Invest.	1/4 1/4 pm 41/4 41/4	% 3/16 pm 4% 4%	1 0	rts Mar, 27 '96	1 0 0 0 15 0	52,937	W, Austral	Leadenhal: Buildgs.  79, Queen Street. 15, Austin Friass.	Colombian HyG	1% 2 36 % 2% 2% 2 d	36 36 236 236×0	1 0 2 0	2/6Dec.16,'95 1/- Jy 26, '95 2/ May 29, '96	1 0 0	75,000	Colombia Chili	10, Blomfield-street Dashwood House, E. O
Lt W. Aust. Expl.	7/ 8/ 2 25/6 25/6 23/4	7/ 8/ 23/16 25/16 113/16 215/16		4/-Nov 29 '94 4/ Oct 16 '95	1 0 0	467,000 270,100 100,600	11 11	J. Gracechurch st. Broad Street Ho.	Darien "A"G	8 8% 10 10%	734 8	1 0	x.nwApr 29'96	1 0 0	49,553	Colombia	Manchester.
sinland Cons. G saston's Rewrd. G kersies Gold Est Gold Reef	13/16 15/16 13/16 15/16 13/2 13/4 21/16 21/16	13/16 15/16 13/16 15/16 115/16 21/16	1 0	Ξ.	1 0 0 1 0 0 1 0 0	150, 00 60,000 175,000	Murchison	54 Old Broad Street 25 & 29,8.5 within's in Broad Street House 25a, Old Broad Street	Don PedroG	1/ 1/8 36 36	1/ 2/ 1/4 3/4 15/16 15/14	5 0	91/d. Feb. '94 6d. Jan. 16 '96	5 0 0	133,102 257,600 128,662	Venezuela Colombia	8, Bishopsgtst, Wn 184, Gresham House
lilo Day Dawn G	11/16 13/16 2/3 2/9	134 1% 34 74 2/6 3/6	1 0	-/6 Aug 29'65	1 0 0 0 15 6 0 19 0	300,000	Queensind N.S. Wales	16, Tokenhouse Yard 16, 8, Holeu's Place	Prontino & BG	1/9 2/3 /6 1/6	1/9 2/3	1 0		1 0 0	199,948	Arg. (& I.) Colombia	3-5, Queen-street, B.O 10, Blomfield-street
Inut Lyell	8 1/4 8 3/4 23/4 2 3/4 33/4 4	814 834 276 3 334 4	3 C 1 0 1 0	-/6 May 14, '96	3 0 0 1 0 0 0 17 6	1,000,030	Tasmania W. Austral Queensind	Finsbury House 28, St. Swithin's in. 9, Gracechurch-st.	Gravel	3/6 5/-	3/6 5/	1 0	-	1 0 0	180,000	Honduras	14, Union ct.Old Brd
Auraki Props	9/d 10/ 4/6 5/ 6/6 7/6	15/16 17/18 9/6 10/ 4/6 5/- 7/3 7/9	1 0 1 0 5/	1/- Oet 30 '95 -/6 Bep 12 '95	1 0 0 1 0 0 0 5 0 0 19 6	75,000 160,000 2.0,000 158,915	Ha raki, NZ Queensiud	23, College Hill. Dishwood House,	Julia TaitalN	36 M	36 3% 236 256	5 0 5 0	15p.c. Dec. '94 5/- Dec. 30 '95	5 0 0 5 0 0	120,000	Tarapaca Chili	39, Cannon-street. 3, Gracechurch st:
buth Boulder	1 19/- 111/-	19/10 111/10	1 0	= -/e Bep 12 33	0 10 0	400,000	Dundas W. Austral Pilbarra	30, 8, Swithin's lane 18, Helen's Place	Lautaro	8 9 13/4 23/4	134 234		15/- May 14, 96 3/434 Nov. '85		300,000 10,000	Colombia Chili	Liverpoor. 5. Copthail-building. 9. Gracechurch-st
. Vid. M. Agency	3 136 3 136	136 136 36 36	1 0	30 % Aug. '95	1 0 0	90,000	Queensind	11, Abchurch lane 10 New Broad Street Broad-streest House	London NitN	334 436	3% 4%	5 0	5% Nov. 28'95		200,000	Peru	11, Old Broad-st, E.O
Indula	-	116 116	1 0	- 2/ War 14 15	1 0 0	75,000	W. Feather N. S. Wales	Winchester House,	New Tamarugal N	36 36 36 36 85 88	36 M 36 36	1 10	1s. Dec. '94 8 p.c. Feb. '95	1 10 0	130,000 130,000 £260,000	Tarapaca	50, Lime-street, E.O
bysi Oak	17 16 13/16 53/6 53/6 3/ 3/6 13/6 13/6	11/16 11/16 53/8 51/6 3/ 3/6 19/16 111/16	1 0 1 0 5/	2/ May 14, 98 £2& rt: F,13 96	1 0 0 1 0 0 0 3 0 1 0 0	100,000 50,000 200,000 60,000	Pilb, W. A. W. Austral N. Zealand Coolgardie	4, Bishopsgate-st. Dashwood House.	., 6 p.c. Debs Orita	85 88	85 88 1/ 1/6	1 0	6 p.c. Feb. '26 1/- April '89 1/- Feb. '96	1 0 0	30,000	Colombia Brazil	10, Blomfield-street 6, Queen-street-place
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#### BLACKETT'S CLAIM GOLD MINING COMPANY (LIMITED)

An adjourned general meeting of shareholders in the Blackett's Claim Gold Mining-Company (Limited), was held yesterday, at Winchester House, E.C.—Sir W. R. Olivey presided, and formally moved the scheme of reconstruction embodied in the agreement which was read by the solicitor, and the resolution was seconded from the body of the hall.—The solicitor to the company stated that since the last meeting he had looked into company stated that since the last meeting he had looked into the alternative of issuing debentures, proposed by Mr. Reed, and had come to the conclusion that, in the manner proposed, such a step would be illegal, and this opinion had since been confirmed by counsel.—Mr. Reed said that he was not prepared to withstand this expression of opinion, and accordingly he would withdraw his own proposal in favour of that of the directors.—The motion was then put and carried unanimously, and a vote of thanks to the Chairman terminated the proceedings

The annual report of the directors of the BONNIE DUNDEE GOLD MINES (LIMITED) shows that the result of the year's working is a balance to the credit of the revenue account of £1349 1s. 9d., is a balance to the credit of the revenue account of £1349 1s. 9d., which, with the sum of £890 12s. 8d. brought forward, made a total of £2239 14s. 5d. Out of this the dividends on the preference shareholders for the year 1895 had been paid, leaving £1514 10s. 5d. to be carried forward. The developments on the Victory reef had been so far disappointing, but recent reports showed that some improvements were taking place. The old workings on the No. 1 shaft had been let on tribute, and produced for the company revealing amounting to £358.7s. 1d. duced for the company royalties amounting to £358 7s. 1d.

The mining machinery was in good working order.

— In their report for the nine months ending December 31

— In their report for the nine months ending December 31 last, the directors of the DAY DAWN BLOCK AND WYNDHAM GOLD MINING COMPANY state that the receipts amounted to £62,635 0s. 7d., and the expenditure to £34,745 11s. 4d., leaving a balance of £27,889 9s. 3d. Added to this was the £12,748 19s. 5d. brought forward from the last account. An interim dividend of 6d. per share was paid last November, leaving £27,553 8s. 8d. to the credit of the revenue on December 31. During the nine months under review 18,964 tons of quartz were crushed for a yield of 14,811 ounces of gold, the approximate value of which was just at £51,207. The Day Dawn reef had been developed satisfactorily, and it was expected that the opening up of the new reef, known as the Talisman, would result in a large addition of good ore to the company's receives. The water supply had been greatly improved and would be the means of effecting a considerable saving in the future.

#### NEW ISSUES.

#### INVICTA GOLD MINES (LIMITED).

INVICTA GOLD MINES (LIMITED).

This is the name of a company formed to acquire and work the following claims:—Ah Chow, Jenome Stanley Evans, Schroder, Fun Yei, Ah Yow, Wing Kei, Goo Quong, San Qui, Perserverance and Griffiths, together with extensive water rights, situated on the Wild Horse Creek, British Columbia. The prospectus states:—"The Wild Horse Creek is well known for the richness of its gold placers. In a work on "British Columbia: Its Present Resources and Future Possibilities," published in 1893 by direction of the Provincial Government, it is estimated that gold to the value of \$10,000,000 has been obtained therefrom." The capital of the company is £100,000, of which £15,000 has been set aside for working capital.

#### HANNAN'S LAKE VIEW CENTRAL (LIMITED)

Our advertising columns contain the prospectus of this company, which has been formed to acquire the mining lease No. 282z, late 751, about 12 acres in extent, known as Morning Star North, or Nil Desperandum, centrally situated in Hannan's Field, Kalgurli, about 500 yards south of the celebrated Great Boulder and Lake View mines. The special features of this property, according to the reports, are:—Three parallel reefs traversing the property—the Lake View main lode; the second reef varying from 4 to 12 feet in width, showing visible gold; another exceeding 6 feet in width, also showing visible gold. Close proximity to the best dividend-paying mines in the district—viz., Great Boulder and Lake View. Developments in district—viz., Great Boulder and Lake View. Developments in various shafts, crosscuts, and costeens. Heavy deposits of alluvial gold worked on the northern and southern boundaries. Assays showing from 3 to 4 ounces of gold to the ton. Mining timber plentiful within 3 miles, and water obtainable at 120 feet. timber pientiful within 3 miles, and water obtainable at 120 feet. The terminus of the proposed Great Boulder branch railway will be situated within a few hundred yards. The property has been favourably reported on by several of the eminent mining experts. The purchase consideration has been fixed at £50.000, payable as to £20,000 in fully-paid shares at par, and as to the balance of £30,000 in fully-paid shares at par or cash, or partly in fully-paid shares at par and partly in cash, at the option of the directors, leaving £25,000 available for working capitri, which is considered ample.

#### THE MAOBILAND GOLD MINES (LIMITED).

THE MAOBILAND GOLD MINES (LIMITED). This company has been formed, with a capital of £95,000, for the purpose of acquiring and developing, according to the prospectus, an extensive property in the Kuaotunu Gold Field, in the mining district of Hauraki, New Zealand. The area of the property is 100 acres, and the claim embodies the old claims of Maeri Pah, Hinemoa, Te Aroha, Black Jack, Kohineer, Jump, and Blackstone, and adjoins the Maori Dream, and Kuaotunu, and is in close proximity to the Aorere and Try Fluke. The property has been favourably reported on by Captain W. H. Argall, manager of the Kapanga mines, and Mr. P. C. Cheal, mining engineer. The purchase money has been fixed at £70,000, £2000 in cash, and the rest in shares.

#### HANNAN'S NORTH CRŒSUS GOLD MINING COMPANY (LIMITED).

This company has been formed, with a capital of £110,000, in shares of £1 each, to acquire, develop, and work the gold mining property held under lease, locally known as the Crossus North, having an area of about 12 acres, and situate in the famous and highly auriferous district of Hannan's (Kalgoorlie), Western Australia. The directors consider that they have here fortunate in acquiring this lease accident that they have Western Australia. The directors consider that they have been fortunate in securing this lease, seeing that it is situate about 30 chains north-west of the celebrated Brownhill and True Blue Mines. The mine has been reported upon by Captain Nathaniel Hawke, the manager of the Crosus Gold Mining Company, and Mr. G. P. Hurst, late assistant geologist to the Lake Mulligan Paleontological Expedition, who has recently returned to London from the Coolgardie gold field. The prospectus says:—That "a careful examination of the Brownhill, True Blue, and Crosus lodes show that they represent the central fissure of the great gold-bearing formation of Hannan's, which consists of reefs running parallel to each other, and in all forming a wide auriferous belt of country, which is now being worked for miles in length."

### REPORTS FROM THE MINES.

#### BRITISH MINES.

BRITISH MINES.

DEVON GREAT CONSOLS.—June 4: Watson's engine shaft. In the 147 level east the fode is 4 feet wide, yielding 4 tons of copper and mundic ores per fathom. The driving of the No. 2 fathom level east has been resumed for further proof, the lode in that direction. We shall sample at Mowellham on Friday the 5th inst. 251 tons of copper ores for sale, one the 18th at Redruth. After the longest continuance of dry weather known in Devonshire for a great number of years a change has taken place, and rain has been falling for some little time to day.

WEARDALE LEAU.—Report on Weardale Cumpany's mines for the week ending May 30:—Groverake. 80 fathom level east unchanged. End worth 6 g wat, per fathom. Groverake Tribute ore for the week 15 bings.—Boltsburn, stopes in north flats from Watt's level worth 25, 36, 28, and 14 cwts. per fathom. Stopes in south flats worth 8, 35, 15, 28, 28, 16, 20, and 14 cwts. per fathom. Ven intopes worth 14 and 10 cwts. per fathom. Proving north flat below level the ground is rather improved—worth 30 cwts. per fathom.—Greenlaws. Rece's Drift. Vein 3½ feet wile of spar mixed with ore, and worth 12 cwts. per fathom. Slatey Hazel Drift no change. Stopes worth 16 and 16 cwts. per fathom. Slatey Hazel Drift no change. Stopes worth 16 and 12 cwts, per fathom. Quarry level unchanged. End worth 8 cwts. per fathom. Fording, Driving 64 level east worth 12 and 12 cwts, per fathom. Quarry level unchanged. End worth 8 cwts. per fathom. Bittle ore. Stopes above 64 level east worth 12 and 12 cwts. per fathom. Ore raised for the week 54 tons; ore dressed for the week 64 tons; ore and slag smelted 17 tons, producing 42 tons of pig lead.

Wideal McTAL AND FLOW (LiMITED).—Progress report, June 1:—Wheal Metal. Since our last report 180 feet should have been 150 feet.) The lode is yielding a fair quantity of low grade stuff, and keeps four stamps going most of the time. At the south shaft we have put in a ladder way, and are breaking ground for another battery of four stamps from two places on the

is in excellent order, and we expect to considerably increase our returns as soon as we have rain.

WEST KITTY.—Ju e 3: The rise in back of the 34 fathom level west of Reynolds' shaft, the lode is worth £3 per fathom. The 72 fathom level driving west of Reynolds' shaft, the lode is about 2 feet wide, and worth £7 per fathom. The 80 fathom level driving west of Reynolds' shaft north of slide, the lode is 3 feet wide, and worth £7 per fathom. The shaftmen are making fair progress in sinking Thomas' shaft. The 60 fathom level driving east of Thomas shaft, the lode is worth £3 per fathom. The stopes and tribute pitches continue to yield the usual quantity of tin.—(Signed) John Williams, Joel Hooper.

#### COLONIAL, INDIAN, AND FOREIGN MINES.

BAYLEY'S NO. 2 SOUTH .- The following fortnightly report

COLONIAL, INDIAN, AND FOREIGN MINES.

BAYLEY'S NO. 2 SOUTH.—The following fortnightly report, dated April 29, has been received from the mines manager, Mr. W. H., Vivian: At the 100 feet level in the south drive 9 feet has been driven from the crosscut, making a total of 9 feet. The reef is 1 foot wide, and carries very little gold. In the north drive 7 feet has been driven, making the total distance north of No. 1 shaft 7 feet. The reef has reappeared, and is 16 inches wide, carrying about 1 ounce of gold per ton. The winze in the 100 feet level is 5 feet deep. Reef 15 inches wide. Worth about 1 oances of gold per ton. The water shaft is still in the course of being timbered. Inflow of water slightly less than formerly.

BRITISH BROKEN HILL.—Mining manager's report for week ending April 22: Main workings, Blackwood shaft. There is no material change in the faces of the stopes in the east vein, 104 tons carbonates were mined, assaying 42 per cent. lead and 6 ounces silver to the ton.—Howell shaft. The work of putting in leading sets on 10th and 11th ficors of far north stopes has been continued during the week, 63 tons were broken, assaying 40 per cent. lead and 2 ounces silver.—Surface work, jig plant. Portion of heavy gear for circulating pumps, which arrived at end of last week, are being placed in position. Good progress made in fixing jigger gear. Ali other jobs being pushed on with all possible dispatch. Fair progress made in cleaning out and building embankment for slime dam at bottom of mill.—Electric light. Flooring of engine room has been finished and windows, &c., almost completed. The electrician from Adelaide arrived during the week, and a start has been made to put the plant in working order.—Rainfall. From the heavy showers of rain that fell during the week, our reservoir on the east side of hill benefited to some extent, being now about three quarters full.—Assays for the week. Carbonates lead from 12 to 57 per cent.; silver from 8 to 13:3 ounces per ton.

Assays for the week. Carbonates lead from 12 to 57 per cent.; silver from 8 to 13'3 ounces per ton.

EMERALD (REWARD).—Report No. 18:—I beg to forward you my usual weekly reports upon the exploration points throughout this mine.—Main shaft. I purpose securing this shaft with timber, and shall begin the work on Wednesday, and when finished I shall again commence sinking with four men to the 50 feet level. In consequence of water I shall be under the necessity of taking away the mill tailings steam pump and put it into the main shaft to pump the water therefrom. This will no doubt inconvenience us a little, as in the case of milling I shall require to put on an extra man to keep the tailings race clear. If I find it impossible to run the milling without the pump in question, I shall be under the necessity of purchasing another from Adelaide of same size and dimensions, but the necessity must be apparent first before I go to this expense.—Water shaft (No. 1 shaft). The vein at the back of the water level is being worked by two men, and will average about 8 inches wide. producing stones in which you can see gold freely.—Shaft No. 1 con., point 3. The four men employed at this point are driving east upon the course of the lode, which is composed chiefly of quartz, and is about 2 feet 6 inches to 3 feet wide at times. But, unfortonately, it is of too low quality to put through the mill. My policet in diving in this direction is to meet with a great along which of quartz, and is about 2 feet 6 inches to 3 feet wide at times. But, unfortunately, it is of too low quality to put through the mill. My object in driving in this direction is to meet with a cross lode which is apparent on the surface, and may meet with a productive point, as we have already met with one just behind this end where I am raising with two of the four men named above. The branch is only about from 8 inches to 10 inches wide, but is producing a little gold for about 12 feet in length, and has a bearing almost north and sooth. As long as this produces quartz for the mill in payable quantities, I intend to raise from this point and stope away the ground up to the grass roots. I may say in passing this vein continues to the bottom of the level just as good, if not better, than that in the back of the level. But I cannot go below the level, as it is the water line, but am under the impression (I do not say I am correct) that as soon as we sink the main shaft below the water line the water, I think, will go down at this point, being drained therethe water. I think, will go down at this point, being drained there from by the deeper sinking of the main shaft. Should this prove correct, I shall immediately commence to sink in the bottom of this level as far as the water will permit.—Shamrook shaft No. 2. The two contractors driving east and west at this point are doing good work and making fair wages, the ground being in their favour for driving. The lode in the east end is about 14 inches wide, but is poor. That in the west end is about 7 inches wide, which is also por, or too low to mill with profit.—(Signed) James Penberthy,

manager.

FRENCH RAND.—Report for April: The following development has been done during April. Von Hessert vertical shaft sunk 59 to 407 feet, new vertical shaft 27 to 39 feet, No. 1 incline 45 to 403 feet, No. 2 incline 41 to 438 feet.—Drives. Midas E on main reef 33 feet, Midas crosscut 41 feet, incline shaft 2 on south leader reef 33 feet, Midas crossout 41 feet, incline shaft 2 on south leader was 40 feet. The south leader was cut in No. 2 incline shaft E-towards end of April. It is 12 inches thick, aways 3 ounces 2 dwis. 10 grates and 4 ounces. The leader continues to look well. Kuffir labour is at present pientifel. Surface work continues satisfactorily. The general meeting of shareholders has been called for Wednesday, July 8, at 4 p.m., in the Board Room, City Chambers, Johannesburg. Also a special general meeting of shareholders, same date and place, immediately after the termination of the

ordinary general meeting, to consider, and if thought fit, to substitute in Clause 123 of the Company's Articles of Association "fre years," instead of the words "twelve months," as heretofore. The years," instead of the words "twelve months," as heretofors. The transfer register closes here and in London from May 18 to 24,

TRUE BLUE. - Mining manager's report to April 28: No. 1 main TRUE BLUE.—Mining manager's report to April 28: No. 1 main shaft. The cutting of the station at No. 1 level is now complete, and the shaft sunk 6 feet below the plat. North-east crosscut has been extended 10½ feet in a good class of country, total distance direct from shaft 168½ inches. Contract for extending this crosscut has been let, and contractors at commencement cut through lode 1 foot in thickness, assaying 1 cunce 0 dwts. 21 grains. South drive No. 1 lode has been extended 8 feet. Lode 10 inches in thickness assaying 1 dwt. 7 grains. South wast crosscut has been extended 7 feet, total length of crosscut from the shaft 206 feet. The end is in bard diorite.—Stopes intermediate level. Work here is now suspended. Shaft A has been sunk a farther distance of 4 feet, total depth from brace 81 feet, contract for driving south west from this pended. Shaft A has been sunk a further distance of 4 feet, total depth from brace 81 feet, contract for driving south-west from this shaft has been let.—Jubilee section, Jubilee shaft. The south-west crossout has been extended 22 feet, making total distance driven from shaft 112 feet. I have been further prospecting at the 50 feet level from this shaft, but have no change to report.—Shaft B. The north-east crossout has been driven 19½ feet, making total distance driven from shaft 64½ feet, with no change. I have suspended work in the crossout, and am now making preparation for sinking a further depth of 35 feet. Battery crushing commenced on the 23rd inst. with 5 head of atamps. I was unable to get the 10 head, but the management put in the launders I required for separating the tailing, and sunk pits for holding the same.

VENTERSDORP.—Since the circular of May 21 the following further information has been received from the manager:—Modderfontein borehole No. 1. This borehole has been continued to a depth of 10½ feet, where it had penetrated about 14 feet 6 inches of

fontein borehole No. 1. This borehole has been continued to a depth of 104½ feet, where it had penetrated about 14 feet 6 inches of colomite. Drilling was then stopped, and the drill removed to a point further north on the dip of the formation, where by latest reports drilling had just commenced, and 5 feet of soil and gravel had been bored through.—Palmietfontein borehole No. 1. This borehole had been continued to a depth of 99 feet. After boring through 5 feet 11 inches of quartzite, another reef formation was entered, and has been drilled through 13 feet, making a total depth of 99 feet. The manager reports that this reef is traversed by layers of what appears to be barren quartzite; he had examined several pieces of the Buffelsdoorn reef, and found that some of their best gold-baring rock was not unlike this quartzite in appearance, and proposed to rock was not unlike this quartzite in appearance, and proposed to prove the value of it by separate as:ay. This assay has not yet been received. The directors are advised by their representative in Johannesburg that it is the manager's opinion that something good will be found upon reaching the sandstone, as the regular gold carried in the quartzite intermixed with banket is a good indication.

been received. The directors are advised by their representation in Johanne-burg that it is the manager's opinion that something good will be found upon reaching the sandstone, as the regular gold carried in the quartizati intermixed with backet is a good indication.

ECLIPSE.—Extract from report for fortnight ending April 23. No. I main shafts. Sinking 15 feet. Depth of shaft 12. feet. Four men employed. Cost per foot 27 list, 3cd.—Croscut cast. Driving 12 feet. Length of first shaped, as we had passed through the lode, which shows a wide of 6 feet.—South drive. Driving 4 feet, total longth a feet. Length of 6 feet.—South drive. Driving 4 feet, total longth a feet. Four men employed.

Cost per foot 22 st. st. st. men employed. Cost per foot 24 st. 7d. There is not been declared to the cost of the c

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JUNE 6, 1896.

THE MINING JOURNAL, RAILWAY AND COMM
AGRORA WEST UNITED.—The Johannesburg Consolidated
spectation Company to the following: For the week coding May 7
of feet were developed, and 100 tons of ore handed. The south
off which was reveal that week is looking well. Am buys at prement sking two wines in the main reel leader to connect up the
first were developed, and 100 tons of ore handed. The south
off which was reveal that week is looking well. Am buys at prement sking two wines in the main reel leader to connect up the
first well read on the property of 12 feet form wines.

BAUORAL MAIN REEE.—Managen's report for April states
that of 1 the red west shaft at a prepare to the throughout the
first olimines in width, with an away value of 18 days, to
the far. West drive a branced of 16 cst. To a reel throughout the
first olimines in width, with an away value of 18 days, to
the far. West drive a branced of 16 cst. To a reel from wines
were well defined baded to banks without any foreign or country
well before the feet (12 moles)
that the property of the form wines
well as the property of the transport the
sense and a forther 5 feet (two men), total 18 feet, The reef in
the bottom is improving both in width and in appearance, though
the through the property of the feet form shaft. The
the total test feet from shaft. The reef has piched considerably,
the thin probably widen again within 10 feet.—90 feet level. The
general contraction of the shaft of the

is under a contract for the Limerick Company will commence this week.

GLENLUCE.—The Johannesburg Consolidated Investment Comment (Limited) announce receipt of the following report from the above company: For the week ending May 4 75 feet were developed.—No. 1 shaft. Assays from No. 1 winze main reef give 57 dwts. 15 mins to the ton, and from same winze north reef 35 dwts. 4 grains. It is expected the north reef will widen out as we near the second simi.—Battery. A great deal of the battery timber has been dressed, the site has also been cleared, and the pile pits set out.

LOMBARDY GOLD.—Manager reports for week ended April 25: Main shaft. This has been stripped down and timbered, but owing inecting with water, have had to suspend operations until arrival dbeckets.—Water shaft. Contractors have sunk 6 feet 6 inches, total 122 feet 6 inches. Am pleased to say they have come upon viter which is daily increasing.

BROKEN HILL PROPRIETARY.—The available yield for the wick ending May 28 was 7915 tons treated, yielding 304 tons of side, containing 144,937 ounces silver. In addition to this, the disa-up yielded 363,678 ounces, which includes 215,237 ounces fine matte produced during the half-year. Shares £2 9s. bayers in Melbourne.

side, containing 144,937 ounces silver. In addition to this, the dean-up yielded 363,678 ounces, which includes 215,237 ounces from the produced during the half-year. Shares £29, buyers if Helbourne.

CRESCENT GOLD.—Fortnightly report of Mr. T. G. Davey, spirituredent, dated April 24; Crescent Mine. Drive north of usual Bis towards main shoot extended 30 feet, total 67 feet. Lode ontinues to be well defined, but is still poor.—Victory Mine. Drive with of tonniel E advanced 22 feet, total 188 feet. Lode 2 feet with a carrying a little gold. We are now stoping at the back of this level both north and south of tunnel, and the lode averages about 3 fast wide, and is valued at 2 ounces of gold per ton. Extended 18 to the lot of the second of the second of the property of the lot of the second o

dasta. No. 32 drive 1 feet were putting in drive east. Insere with be a good revenue from superfluous water.

NIGEL DEEP.—Extract from manager's report, dated May 1: Shaft work. C, D, and E shafts have been in operation during the past month.—Labour. During the past month we obtained a good many boys, and we now have sufficient on hand to work all of the the shafts, so that before the end of the coming month I expect to have all the shafts in operation.

past month.—Labour. During the past month we obtained a good many boys, and we now have sufficient on hand to work all of the the shafts, so that before the end of the coming month I expect to have all the shafts in operation.

NINE REEFS.—Superintendent's report for fortnight ending May 11:—Oriental lode, main shaft. This shaft has been sunk 11 feet, total depth below the 313 feet level is 50 feet. The tode is from 4 to 5 feet wide, carrying 2 feet 6 inches quarts, its assay value being 3 dwts. of gold per ton. During the past week we have had to take down some of the hanging wall, or better progress would have been made.—310 feet level north. This has been driven 29 feet 6 inches, total distance from shaft is 178 feet 6 inches. The lode is 4 feet wide, composed of quartz arsenical pyrites mixed with black rock, assaying 4 dwts. of gold per ton.—310 feet level south. This has been driven 28 feet, total distance from Baynard's shaft 159 feet. The lode is 3 feet 6 inches wide, composed of quartz, arienical pyrites, and black rock, assaying 3 dwts. 6 grains of gold per ton.—Morrison's shaft. We have now completed the new collar of this, and shall proceed to put down ladder way and skip road. A sample takes from the bottom of this shaft assays 4 dwts. of gold ber ton. The lode is 8 feet wide.—New water shaft. Very little progress has been made during the past fortnight, owing to not being able to get good miners.—Surface work. This is going on in the swall way.—Health. The Laderlie shaft has been sunk by contract a farther distance of 13 feet, making a total of 95 feet from the drive, 5 feet more will complete this contract. There are 2 feet of good quality stone in the sink. Expect to start opening out two drives off the shaft sometime this week. The winso has been stak a further distance of 9 feet. The contract is now completed the 100 feet from the drive. The stone has got a little smaller in the east end of the winze, but average 20 inohes of good quality showing gold freely. The eastern drive has been driven

much better.

SIMMER AND JACK EAST.—Estract from manager's report, deted April 4:—The following footage has been made during the month: Clement shafe. During March, 50 feet; previous to March, 46 feet; total depth April 1, 96 feet. Hammond shaft, During March, 48 feet; previous to March, 52 feet; total depth April 1, 100 feet.

VICTORY (Charters Towers).—Mine manager's report for fort-VICTORY (charters lowers).—auto managers report for fortuight ending April 18: At No. 2 shaft during the past fortuight the 320 feet level has been driven west a further 14 feet, total length of this drive up to date 342 feet. The only change in this drive is—we are carrying a felspar leader on the footwall about 3 inches thick the last few feet. In the rise at No. 1a the reef is very irregular. The formation is about 12 feet; there is a vein of the parting well and one on the footwall from 3 to 10 feeting. very irregular. The formation is about 12 feet; there is a vein of stone on hanging wall, and one on the footwall from 3 to 10 inches. The quality of the stone is fairly good, but the formation being so large we have to break a lot of ground to get it. No. 7 level has been driven 7 feet for the frinight; present length of this drive 323 feet. The ground is still keeping hard here, but the last few feet there has been several heads and floors met with, also a small vein of white quarts about 1 inch thick. There has been 16 tons haded from this shaft, total at surface 26 tons.—No, 3 shaft. The underlie has been suck 4 feet. The total depth from straight shaft is 232 feet. There is an improvement here the issteink. The stone we had in the formation is cut out, and a new make come in on the hanging-wall. At present there is only 4 inches, but it is making larger, and the quality is much better. There is 10 feet of forma-

is the steween the walls. The Victoria Company are working a good reef not the from the boomdary. We are not quitte as deep, as that the beginning of fortologis started altering grade in underlied below No. I level, for it was unafte for men to work in the bottom the way it was. This is fidshed, and one sink taken out during the way it was. This is fidshed, and one sink taken out during the way it was. The is the started at the control of the way it was much faster. There has been 5 sons of quarit healed for the during the started at surface 8 toos. Creathed 25 sons from the shaft of the started at surface 8 toos. Creathed 25 sons from the shaft of the started at the started at the started at surface 8 toos. Creathed 25 sons from the shaft of the started at the

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ARMADALE.—Fortnightly report of mine works: No. 2 shaft. 90 feet level north drive advanced 27 feet, total distance from shaft 77 feet, and holed through to No. 3 shaft; ventilation not perfect. South drive same level advanced 2 feet from rise, and 23 feet from shaft. Sample tested from quartz in face of drive equal to 13 dwts, per ton. No. 3 shaft sunk 20 feet, total depth from surface 110 feet, and holed through the same and holed through to north drive No. 3 shaft. Lode much the sam

-The following report has been received from the mine, dated Haguesund, May 28:—Risvig Mine. In the 400 north level the quarts has increased in width to nearly 2 feet, contains a little mineral, and shows by assay 4 dwts. 10 grains gold to the ton. The quarts in the stope in back of this level holds a width of 2 feet, is highly mineralised, shows gold, and assays 13 dwts. per ton. There is a strong lode in 300 south end, with quarts over 3 feet in width, containing benches of copper and iron navitas. In the 200 couth level the men with duill are making good. In the 200 south level the men with drill are making good y. The lode here is 4 feet wide, with quartz in strings an over the whole face of the level. Portions of the quart contain an excess of mineral, such quartz assaying over half an ounce gold per ton.—Fladenes Mine. The level driving north shows quartz 3 feet in width, about 10 inches of same running with footwall carries copper pyrites and a little galena, and has value for gold 6 dwts, per ton. In the level and stope working north from winze there is about a foot of quartz well mineralised, and showing gold by panning. In the workings south the quartz has a much greater width, averaging quite 3 feet, and showing by assay nearly 10 dwts. ridth, averaging quite 3 feet, and showing by assay nearly 10 dwts the ton.—Gapleskog Mine. In the stope in back of upper e quartz is 15 inches in width, and carries a large quantity as. The men have commenced to drive and stope in end of No. 1 north level. The quartz is over 2 feet wide, containing galers and copper pyrites, and during the week has produced stones show

ing gold,
BAMBOO QUEEN AND REWARD MINES.—Mr. William Straughan, the manager, cables, dated May 26: Engine shaft has reached a depth of 25 feet. The country rock is very hard (but) I expect softer ground as we go deeper. Levels will not be opened until the shaft has been sunk 200 feet.—Reward Mine. Crosscutting towards the hanging wall on the 80 feet level through the vein formation. Crossout has advanced 50 feet. Hope to start to sink main shaft shortly. There seems every prospect of this mine turn-ing out satisfactorily. I consider it a most valuable property.

main shaft shortly, There seems every prospect of this mine turning out satisfactorily. I consider it a most valuable property.

BLACK HORSE AND/SANDSTONE.—Advices from Melbourne, dated respectively the 18th and 25th April, contain the following information respecting the developments on the Sandstone Mine: During the week good progress has been made on the mine both below and on the surface.—No. 2 level north drive. The rise is up from the back of the level 27 feet, making 13 feet driven for the week, carrying reef full width of rise. Gold seen this week. Width of reef not known.—Intermediate between Nos. 2 and 3 levels. This drive is 20 feet from rise, making 8 feet for week, Width of reef not known. Gold seen in breaking, lode disturbed, intersecting two shoots of gold or makers of quartz is no doubt the cause.—No. 5 level north drive. This drive is in 34 feet from rise, making 13 feet driven for week. Reef opened to near 4 feet wide, with 13 feet driven for week. Reef opened to near 4 feet wide, with 1 foot 3 inches of nice laminated quartz on west or hanging wall, but have seen no gold, but a very kindly looking end.—No. 4 (or 600 feet) level. I am glad to inform you that since my last report a great change has taken place for the better in the 600 feet or No. 4 level. Gold seen in a new splice of quartz at first not an inch thick is now a good width, water coming in freely, showing the block of quartz is a big one. There have been 13 feet driven for week quartz is a big one. naking the total of 60 feet from survey mark. Width of reef 3 feet

Battery. The battery is being pushed on with all possible speed.

The Melbourne secretary reports that the appearance of the mine

s very satisfactory.

CENTRAL NIGEL DEEP.—Extract from managers report, ated May 1: Shaft work. The sinking in shafts 1 and 2 has been uite favourable. Shaft No. 2 was sunk under contract, and haft No. 1 by day labour.—Labour. We have been quite successful in

shaft No, 1 by day labour,—Labour. We have even quite successful in procuring boys, and we have now as many as we require.

CENTRAL BOULDER GOLD MINES (W.A.)—Mine manager's report for fortnight ended April 23: Main shaft. Here we have been unfortunate in striking an extremely hard bar of country rock, and the contractors have been unable to make any headway against it, the total amount sunk during the fortnight being only 12 feet. This gives a total measurement from surface of 92 feet. We shall require to go another 14 feet to be on a corresponding level with No. 1 shaft, and if the present hard rock continues it will take some considerable time to get down the required depth. Up to the present we have not done sufficient work in this hard rock to enable me to form an opinion as to whether it is merely a bar or the first indication of the near approach of the dioritic rock, which is up to the present time the proved bedrock of the district.—No. 1 shaft. A whip pole has been erected. This will greatly facilitate operations here, and in addition will be a considerable saving in the cost of bauling the dirt. Work is also being carried out here by contract, a party of men having undertaken to drive 100 feet at the rate of 15s. per foot. This is remarkably cheap considering the nature of the ground to be broken. Contractors have driven 10 feet for one week. The lode formation remains nuchanged.

FORBES' REEF.—The mine manager, under letter dated May 2, reports progress for the month of April as follows:—Avalanche mill. Tons milled 2340, number of stamps working 20, number of days mill ran 23 days 6 hours, smeited gold won 102 ounces.—Avalanche Mine. Tons mined and sent to mill 2340, spoil dumped 200 tons, Several sets of rotten timber taken out and replaced by new timber in main addit drift. The mine has been taken in ord working corder. in main adit drift. The mine has been kept in good working order, but the ore mined and milled has been very low grade. This is but the ore mined and milled has been very low grade. This is owing to the gold-bearing leads and quartz stringers pinching out owing to the gold-bearing leads and quartz stringers pincing our as depth is obtained in the mine. There are large reserves of this low grade stoff, worth about \( \frac{1}{2}\) dwt, to the ton in sight, but I do not think this low grade stoff can be worked at a profit, Tram lines have been altered and repaired as required from time to time.—
Boring No. 3 bore hole. This bore hole has been sunk 14 feet in hard, solid, barren quartz rock this month. The total depth of this hard, solid, barren quartz rock this month. hard, solid, barren quartz rock this month. The total depth of this bore hole is now 278 feet. The scarcity of Brazilian carbons (none being obtainable in South Africa) is the cause of so little progress with the boring operations here.—No. 9 bore hole. This bore hole has been sunk 18 feet this month. The rock cut was barren white quarts. The total depth of this bore hole is now 120 feet. Boring -No. 9 bore hole. This bore operations had to be suspended there on April 23 for want of carbons to set crowns.—Electric transmission power plant. The damages caused by lightning to the armatures of motor were re-paired, and the plant started on the 2nd of this month. Since then the plant has run full time in good order. All spare parts of the machines have been repaired, and kept in readiness to replace in case of accidents,—Machinery. All machinery in use has been kept in repair and good working order.

in repair and good working order.

LISBON-BERLYN.—The manager's advices give the following details of work done during April:—Mining. Theta north. Thickness of reef, 12 inches; cutput, 484 tons; assay value 8.78 dwts.—Theta north (No. 2). 218 feet driven; thickness of reef, 9 inches; cutput, 43 tons; assay value 2.70 dwts.—Theta south. 282 feet driven; thickness of reef, 12 inches; cutput, 1233 tons; assay value 12.30 dwts.—Theta south (prospecting). 98 feet driven; thickness of reef, 17 inches; output, 75 tons; assay value 12.75 dwts.—Theta mill section. 134 feet driven; thickness of reef 13 inches; output, 177 tons; assay value, 6.50 dwts.—Theta West Creek. 12 feet driven; thickness of reef, 6 inches; assay value 20 dwts. The last mon thickness of reef, 6 inches; assay value 20 dwis. The last men tioned is a new prespecting drive begun during the month on the south side of West Creek opposite the Theta south prospecting section. The reef had no visible outcrop, being covered over with fallen débris, and the manager says it will take some time to get in and test it. It shows good free gold in the pan, and assays 20 dwis. railed Gebris, and the manager says it will take some time to get in and test it. It shows good free gold in the pan, and assays 20 dwts. per toc.—Milling. 10 stamps ran 4½ days, and crushed 130 tons ore, from which 6.8 ounces fine gold were obtained. The crushers ran continuously on day shift, and crushed 1487 tons (dry weight; preparatory to direct treatment at cyanide works.—Cyaniding, 1487 tons dry crushed ore and 88 tons of tailings were treated during the month, and the bullion recovered amounted to 754.50 ounces of an estimated value of £2181.

LYDENBURG (Transvaal).— The following is a semmary of the work done on the property since the arrival of the manager, Mr. J. A. Woodburn, in the middle of December last by the Chairman, and partly from the subsequent reports of Mr. Woodburn.—The two series of rocks. There are two series exposed in some of the farms; the sandstone series usually known in the district as the lower sandstone, and the dolomite series (of which there may be two) which is the same that extends over a great area in this district. The following is the description of a deposit found on the Elandsfontein farm;—This is a seam running into the dolomite, and has a fairly steady assay value of about 9 dwts. The seam appears to be split into two layers, a top and bottom seam; at the outcrop the top seam was only 1 inch thick and the bottom seam 12 inches, but as the drive has been put in the top seam has thickened to 6 inches, whilst the bottom seam has attenuated to 3 inches. This alternate thickening and thinning is very characteristic of seams in dolomite. The character of the ore is similar to that obtained from other dolomite reefs in the district. The outistic of seams in dolomite. The character of the ore is that obtained from other dolomite reefs in the district. crop of the dolomite seam has recently been found on the other side of the range of hills, so that it is probably continuous, and will give an enormous bod yof ore. Crossing the valley beyond the op, the sea nappears in the corresponding zone of the limestone ne opposite hill. There are also some old workings in the nitic limestone, on the Wakkers Dalfarm which were examined, and work is now being started on these with some prospects of finding a good seam. The following is a description of a reef found on the lower sandstone on the farm of Claremont:—This is a vein on the lower sandstone on the farm of Claremont:—This is a ven dipping vertically into the sandstone. Appearances at present seem to indicate that this is a fissure vein, and if so it may get richer as the sinking becomes deeper; it appears to be similar to a number of other veins on neighbouring properties. Owing to its dipping vertically work is slow; at present the shaft is down 17 feet, but arrangements are being made for the work to be expedited. The ore in this vein is very irregular, in some places visible gold is found and the assays are high, and in other places the assays made give a value of a very few grains. These discoveries are on the farms of Elandsfontein, Wakkers Dal, and Claremon, which leaves the largest part of the property still unexplored.—Staff accommodation. The manager writes; "We have been fortunate in securing a very healthy site at the head of a broad valley. The staff are now completed, and we are in process of taking possess are now completed, and we are in process of taking possession, and the erection of a house for prospectors is now being proceeded with."

The work hitherto done has been managed at a great distance from the farms, and under conditions of difficulty. The proper investigation of the water supply and of available horse power is being pursued by the manager and a full report is being sent home.

MINERVA GOLD.—Mine manager's report for week ending May 2; Mill. 40 stamps ran 6 days 6 hours, crushed 1014 tons.—Cyanide. Tailings treated 524 tons, average value

10 dwts. 13 grains.—Development. No. 4 shaft sunk 8 feet to 90 feet. No. 4 shaft north and south each driven 6 feet to 14 feet.—Assays. South-west stope 2 feet 6 inches wide. 8 dwts. 4 grains. Orion face 17 dwts. 12 grains. West stope 3 feet wide, 1 ounce 2 dwts. 18 grains. Leader Orion face 10 ounces 19 dwts. 8 grains.—Remarks. As you will observe the ore has considerably improved, and prospects look brighter for this month. We have got all water out and broken into the Orion stope. The we have got all water out and broken into the Orion stope. The ore that remains in this direction is very good. I shall push on development on the Meyer and Leeb boundary as soon as possible. Rain has somewhat interfered with the work of the new dams. I have some 5,000,000 gallons stored in the lower dam and No. 1 reservoir. I shall have to shut down the mill for a day this week reservor. I shall have to said town the mill for a day his week to get in the new pump barrows, and connect the flue of the mill boiler with the economiser and stack.—Monthly return. Stamps ran 35 days, crushed 5737 tons, yielding 304'5 ounces.—Cyanide, Tailings treated 2923 tons, bullion 1104'16 ounces, average per ton 7 dwts. 13 grains. Residues treated 1140 tons, bullion 269 ounces

MEYER AND CHARLTON.—Report for the month of April MEYER AND CHARLEON - Report 1281 feet, ore opened Mine. Number of feet driven, sunk, and risen 281 feet, ore opened up by development 9440 tons, quartz mined 9034 tons.—Mill. Number of days (24 hours) working 70 stamps 26 days, ore crushed 7500 tons, yield in smelted gold 2635 ounces 6 dwts. 4.8 grains, 7500 tons, yield in smelted gold 2635 ounces 6 dwts. 4:8 grains, yield per ton 7 dwts. 0:659 grains.—Uyanide works. Tailings treated 6530 tons, yield in bullion 1371 ounces 8 dwts. 12:96 grains, yield per ton treated 4 dwts. 8:07 grains, working cost per ton treated 4s. 1:91d. Working expenditure. To mining (including maintenance) £4716 6s. 7d., to transport £110 13s. 9d., to milling (including maintenance) £1480 %s. 6d., to cyanide works (including maintenance) £1448 15s., to general charges £1134 7s. 3d., to mine development account £948 10s. 11d. Revenue. By gold accounts: 2,635:310 ounces from 70 stamp mill at 73s. 6d., per ounce £9584 15s. 4d, 1,371:427 ounces from oyanide works at 60s. per ounce £4114 5s. 7d., by rents £50 10s., total £13,849 10s. 11d; profit for month £4010 10s. 11d.—Working costs (on basis of tonnage milled). Mining expenses 11s. 95556, transport 3:542d., milling 3s. 3:735d., cyanide works 3s. 6:125d., general charges 3s. 0:300d., maintenance (mine, mill, and cyanide works) 1s. 9:237d., mine development 2s. 6:354d.; total working costs £1 6: 2:848d; value of yield £1 16s. 9:569d.; profit 10s. §6:721d.—Expenditure on capital account. Machinery. plant, buildings, &c. £3399 10s. 9d., "main tentals for the state of the state count. Machinery, plant, buildings, &c. £3399 10s, 9d., main cline shaft £69 11s. 3d., total £3469 2s. Crushed during the onth: Main reef 2539 tons, south reef 4362 tons, leader reef 70 stamps were in operation during the month, new 20 stamps were in operation during the month. The new 20 stamps were completed and in readiness to start on April 1, but, owing to the scarcity of native native, 10 only could be worked, The company's labour requirements, however, have now been obtained, and the 80 stamps will be running in May.—George Albu (managing director), Johannesburg, P.O. Box 27, May 8.

ORION GOLD.—Mine manager's report for week ending May 7: Development. Driving main shaft north 29 feet, west 34 feet, No. 6 shaft north 29 feet, west 34 feet, May 8.

shaft north 29 feet, west 34 feet, making a total of 126 feet driver for the week.—Assays, April 24. Main shaft north 3 ounces 9 dwts lograins, reef 8 inches. Main shaft west 1 dwt. 4 grains, reef 3 feet. No. 6 shaft west 2 dwts. 1 grain, reef 13 inches.—Assays, April 28. Main shaft north drive 4 dwts. 2 grains, reef 11 inches. Main shaft west 1 dwt. 4 grains, reef 2 grains, reef 2 inches. No. 6 shaft west 14 dwts. 14 grains, reef 2 inches. shaft disappeared owing to a break, but was picked up again on the night of the 27th, and has improved from 2 inches on the 28th to 96 tons of ore have been dug during the week. 4 inches on May 1. aking 1285 to

sking 1285 tons at grass.

ROODEPOORT.—The Johannesburg Censolidated Investment Company announce receipt of a report from the above company containing the following: For the week ending May 7 77 feet were developed. The development for April amounted to 370 feet, in addition to which considerable stoping has been done. Shoots are being put in, and other detailed work being got ready for milling.

ion of the battery has commenced, and is proceeding to the satisfaction of the general manager.—Golden Pig Mines. The mine manager reports:—100 feet level. North drive has now been driven 164 feet from Whip shaft. The lode here averages about 5 feet wide, yielding good stone. South drive has been driven 206 feet from Whip shaft. Lode here continues unchanged, with every prospect of a large body of payable stone going below this level.—Engine shaft is now down 135 feet. Sinking is being continued as rapidly as possible to the 200 feet level. With regard to the lode in the north drive, Mr. Carl Hesse, the general manager, reports in the north drive, Mr. Carl Hesse, the general that his assays from it show fully 1 cunce of gold of gold per ton.

VICTORIA AND QUEEN.—Manager's report for fortnight end-ing April 14: Have driven the No. 4 drive a further distance of 11 feet, making total 68 feet. The reef is about 6 inches thick of heavy mineral stone. The winze at the end of No. 3 crossout has heavy mineral stone. The winze at the end of No. 3 crossout has been sunk a further distance of 25 feet, making total 74 feet. There is a leader about 3 inches thick in this winze. Have drive There is a leader about 3 inches thick in this winze. Have driven the No. 3 Irive a further distance of 11 feet, making total 147 feet. The reef is about 1 foot thick of good quality stone. The underhand stope No. 3 drive averages from 9 to 15 inches of good quality stone. The back stopes No. 3 drive average about 1 foot of fair stone. The back stopes No. 3 drive average about 1 root of far quality stone. We have had a rough cleaning up during the fm. night of 260 tons which gave a yield of 687 ounces of smelted gold. We have had broken time this fortnight, which accounts for the small baulage of quartz. Hauled during the fortnight 105 tons, making total 500 tor

HORSHAM MONITOR SYNDICATE.—Mine managers reported for week ending April 30: Developments, Sinking No. 1 vertical 8 feet to 241 feet, main incline 8 feet to 269 feet. Driving No. 1 vertical second level. West reef north 8 feet to 53 feet, West reef constants of feet to 116 feet. I have started the No. 1 vertical shaft off on the incline, having struck the

MOUNT MAGNET .- Extract from Murchison Times, April 25: MOUNT SAGNET.—Extract from Murchism Times, April 25;
"We are pleased to report that recent developments at this mine are of a most encouraging character. At the south sha't on the eastern reef, in the drives north and south, the stone averages 2 feet 9 inches wide, and will yield 20 dwts. per ton. 200 feet north is No. 2 shaft, sunk to a depth of 50 feet, and drives extended on course of lode. The formation is fully 5 feet wide, the quartz being 3 feet wide, yielding 16 dwts. per ton. The drives at the 60 feet level in the main lode (lease 563) continue to produce high grade stone, the reef varying in width from 12 inches to 3 feet. The work of cutting down-i.e., enlarging the shaft for pit work, cage, &c.—is proceeding apace. The masons are engaged at the foundation for winding plant, which is daily ed to reach Geraldton. The warkings be departed in the foundation of which is plant, which is daily bected to reach Geraldton. The workings on the auriforous ke formation at the 60 feet level are opening outsplendidly, this point the deposit is 15 feet wide, of which 8 feet shows a hold value of 30 dwts, per ton. Indeed, when the company decide on crushing their own material, the whole of this ore body will be treated. It is impossible to sort the ore advantageously as the gold disseminated throughout. We hear that the directors ked for specifications and estimates for mining and companies. machinery capable of developing this valuable property to great

NUNDYDROOG .- Thomas Richard's report for the fortnight depth 27 feet 6 inches below the 700 feet level. The 700 north has The 700 north has en driven 13 feet, total distance 88 feet 6 inches. Lode 4 inches wide, assays 3 dwts, 18 grains of gold per ton. The 700 south has been driven 8 feet, total distance 77 feet 6 inches. Lode 1 foot wide, assays 10 dwts. The 600 north has been driven 15 feet 6 inches. assays 10 dwts. The 6 total distance 475 feet. total distance 475 feet. Lods I foot 6 inches wide, assaying 1 onne. The 600 north rise has been put up 22 feet, total height 105 feet, and at this point it communicated with the 520 level north. The 600 south crosscut east has been extended 8 feet, total distance 16 feet. In two stopes in the back of the 520 north the lode averages 6 feet 6 inches in width, and 1 ounce 1 dwt. 21 grains in assay value. The lode in the stope in the back of the 440 north is 4 feet 6 inches wide, and assays 2 ounces. The 440 south has been in the back of the 440 north is 4 feet 6 inches wide, and assays 2 ounces. and assays 2 ounces. The 440 south has been driven 6 feet, total distance 1412 feet 6 inches, and a communication has been effected with the winze sunk below the 520 north from main shaft. The scut west from this level has been extended 14 feet, total distance feet. At about 170 feet a well defined lode of no assay value was passed through. The 370 north crosscut west has been extended was passed through. The 370 north crossout west has been suspended, and driving south on the lode at 410 feet resumed. In two stopes in the back of the 370 north the lode averages 6 feet 3 inches in width, and 3 conces 4 dwts. 9 grains in assay value. In the stope in the back of the 370 south the lode is 5 feet wide and assays 1 conce 1 dwt. 6 grains. The 300 north has been driven 10 feet 6 inches, total distance 411 feet. Lode 6 inches wide, assays 3 dwts. 18 grains. A rise started in the back of this level has been put up 7 feet 3 inches, and the lode is 2 feet 6 inches wide, assays 2 conces 10 dwts. The lode in the stope is the back of the 300 north is 5 feet 6 inches wide. and assays 10 dwts. The 230 north crossout west has been extended 10 dwts, 15 dwts. The 230 north crosscut west has been extended 2 feet 3 inches, total distance 3 feet 3 inches. No change, stope in the back of the 230 north the lode is 1 foot 6 inches and assays 6 dwts, 6 grains. The 230 south has been driven 4 feet, total distance 314 feet. The lode, consisting of stringers of quarts, assays 2 dwts, 12 grains. The lode in the stope in the back of the 190 north is 4 feet wide, and assays 1 ounce 2 dw s. 12 grains. The 160 south has been driven 7 feet 9 inches, total distance 512 feet. Lode shows a trace of gold. In the stope in the back of the 95 north the lode is 3 feet wide, and assays 5 dwts.—North the has been sunk 1 foot, total depth 51 feet 6 inches below the 600 fathorn level. The lode is 3 feet wide, assaying 7 dwts. 12 grains.—New sha't has been sunk 3 feet, total depth 113 feet below surface. Sinking is suspended while dividings and ladders are being not in.—Main adapt has been sunk 6 feet 6 inches total are being put in.— Main shaft has been sunk 6 feet 6 incher, that depth 17 feet below the 1160 level. The 1160 north has been driven 18 feet, total distance 86 feet. The lode, consisting of stringers of quartz, areays a trace of gold. The 1080 north wit 21 has been sunk 7 feet, total depth 63 feet 6 inches. Lode 4 feet nas been sunk 7 keet, total depth 63 feet 6 inches wide, assays 1 ounce 5 dekt. The entiting of another pump station has delayed the sinking. In the type in the bolk of the 1080 north (northwards from No. 1 rise) the lode is 4 feet wide and assays 1 dente. In the stope in the back of the 920 north the lode is 4 feet wide and assays 13 dwis. 18 grains. The lode in the stope in the back of the 920 south is 6 feet wide and assays 14 dwis for a feet wide and the stope in the stope in the bettern of the same assays 11 dwts, 6 grains, and in the stope in the bottom of the same level it is 3 feet wide and assays 1 ounce 2 dwts, 12 grains. The 689 north has been driven 5 feet, total distance 604 feet 6 inches. Lade of no assay value. Drivage north suspended and crosscut east commenced. The winze in the bottom of the 520 north has been such 1 foot 6 inches, total depth 8 feet 6 inches, and has communicated with the 440 south from Kanadal's. being put in, and other detailed work being got ready for milling.—

4th level, The drives on 4th level west continue to open up with fairly good prospect. During the month a systematic sampling of south and main reef drives th level have been made giving satisfactory pannings.—Battery. We have made a trial run with the 40 stamps, and intend to get the works afficiently advanced to commence milling on May 11.—Cyanide works, The erection of another 100 ton vat is in hand, which will prove of considerable benefit in the future treatment of tailings. The water supply is plentiful.

VESTA GOLD.—Mine manager's report, dated May 7:—I have pleasure to report that the new pump has been placed in No. 1 or east shaft. The vertical shaft in connection with this work, a depth of 26 feet, is completed. In making this shaft we find the reef about 6 feet thick. The new lines will now be commenced. In No. 2 or west shaft we still find a break in the reef, and to all appearance the latter dips lower. The shops are nearly all framed, and we hope to have them completed shortly. Boarding home foundation completed, and building framed. Stores and offices being pushed on. Manager's house will be completed this week.

WATER TRUST, MINING, AND PUBLIC CRUSHING COMPANY OF WESTERN AUSTRALIA.—Extracts from report of general manager, dated April 30:—30 stamp mill. The remaining portion of the machinery has now reached Fremantle. The erecrith the 440 south from Kennedy's The 370 north Lode being of no 8 feet 9 inches, total distance 207 feet 9 inches. Lode being of so value, a crossout east has been put out 5 feet 6 inches, but nothing further has been met with.—Taylors' shaft. The 1240 north has been driven 4 feet 9 inches, total distance 287 feet 3 inches. Lode of so driven 4 feet 9 inches, total distance 287 feet 3 inches. Lode of no assay value. The 1240 south crosscut east has been extended 7 feet, total distance 49 feet 6 inches. No change. In two stopes in the back of the 100 north the lode averages 3 feet in width and 4 dwts. 9 grains in assay value. In the stope in the back of the 920 north the lode is 3 feet wide and assays 5 dwts. In two stopes in the back of the 840 north the lode averages 2 feet 9 inches in width and 15 dwts. 15 grains in assay value. The 840 south rise has been put up 9 feet 6 inches, total height 54 feet 6 inches. Lode is 1 foot wide, assaying 5 dwts. 15 grains. In the stope in the back of the 600 north the lode is 3 feet wide and assays 6 dwts. 6 grains. In the stope in the back of the 600 north the lode is 3 feet wide and assays 6 dwts. 2 grains. In the stope in the back of the 520 north is 2 feet 6 inches wide, assaying 7 dwts. 12 grains, and in the 230 south back stope it is 2 feet wide assaying 12 dwts. 12 grains, and in the 230 south back stope it is 2 feet wide assaying 12 dwts. 12 grains, and in the 3 grains.—New Mill samples. Pulp, 1 ounce 7 dwts. 12 grains; tailings, 4 dwts. 12 grains, 4 dwts. 12 96

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BLAGHAT MYSORE.—Thomas Richards' report for the fortaght ending May 9: Ogle's shaft. The 270 feet level south has been driven 4 feet 9 inches, total distance 386 feet 3 inches, and having reached the southern boundary has been suspended. The lode, 5 inches wide, is of no assay value. Preparations are now being sade for the extension southward of the 410 feet level, and air just for the conveyance of compressel air for the rock driil will issue there.—Haines' shaft. The 410 feet level north (on the lode, from a turn to the westward in the former drivage) has been driven 5 feet, total distance from the shaft 180 feet. The lole, I foot wide, with stringers of quartz throughout, assays 1 dwt. 15 grains of gold per ton.

BAYLEY'S REWARD CLAIM.—Mine manager's report to April 13:—Report of work done during the fortnight ending april 11: Everard shaft. The south drive from this shaft has been driven 13 feet and holed through to air shaft, total length 95 feet, it a point 48 feet in this drive we have started rising, now up feet. Lode about 1 foot wide; no gold visible.—Air shaft. South drive extended 13 feet, total distance 46 feet. The ground is close raised and very hard.

OLYDE.—The following is an extract from a report recently revired from the manager; 1 beg to report as follows for the week;—Inserts of the manager; 1 beg to report as follows for the week;—Inserts of a stringer of quar z from 3 to 4 inches thick running in 11st direction. We are getting a larger supply of water, but not of affidient quantity to demand a pumping engine. I am sorry to say 11st owing to the block on the railway system, the machinery is ill lying in Fremantle. At the present time I say it is impossible to get anyone to take any interest in looking after material travelling on the railway, their sole object being to get it out of their hands into someone elses as quicky as possible, no matter in what condition. I Intend making a trip to Fremantle in the course of a week of the machinery on the rails; from advices I received this mornin

driven 2 feet, producing lode formation of 30 dwts, value. The mine developments are of a most sati-factory and encouraging character. We are accepting delivery of firewood at reduced

driven 2 feet, producing lode formation of 39 dwts, value. The mine developments are of a most satisfactory and encouraging character. We are accepting delivery of firewood at reduced tates.

MoKENZIE.—Forteightly report of mine works:—Main engine shaft 120 feet level. South drives to lode advanced 7 feet from shaft 140 feet, No. 2 tope north advanced 5 feet, total distance from shaft 73 feet, No. 2 tope north advanced 5 feet, total distance from shaft 73 feet. No. 2 stope north advanced 5 feet, total distance from shaft 75 feet. No. 3 stope north advanced 5 feet, total distance from shaft 45 feet. Lode is the above stopes from 6 inches to 15 inches wide, estimated yield 1½ ounce gold per ton. No. 2 stope south advanced 25 feet, total distance from shaft 44 feet. No. 4 stope south advanced 23 feet, total distance from shaft 44 feet. No. 4 stope south advanced 25 feet, total distance from shaft 44 feet. No. 4 stope south advanced 25 feet, total distance from shaft 44 feet. No. 4 stope south advanced 26 feet (which is the boundary). No. 3 stope south advanced 27 feet, total depth from surface 38 feet. Anticipate cutting the lode in the shaft at 58 feet from surface.—D. W. Welch.

MYSORE.—Mining operations for the fortigits ending the lode in the shaft at 58 feet from surface.—D. W. Welch.

MYSORE.—Mining operations for the fortigits ending May 11 R. Rowse's shaft, 1460 feet level north of crosscut west. There are two stopes in the back of this level, the average assay of 1 none 4 dwts, 12 grains.—1460 feet level north of sump winze. There are two stopes in the back of this level, the average width of the lode being 6 feet, giving an average assay of 1 onches. The lode is 1 foot of crosscut. This level has been driven 14 feet in lands, assaying 1 counce 3 dwts. 6 grains. Theore are five shows a stope in the back of this level, the average width of the lode being 6 feet, with a surfage a stotal distance driven of 326 feet level north of crosscut. The lode is 1 feet of the beek of this level has been driven 18 feet, lips some to make a skate restricts file machinery. Onto come at the way of retreeve, but I may any that he machinery with the street of the machinery. As it file, a great depictation to the powers, and the street of the machinery of the machin

driven of 406 feet 11 inches. The winze in the bottom of this level has been sunk 2 feet 9 inches, making a total depth of 37 feet 3 inches. The lode is 4 inches wide, assaying 1 ounce.—550 feet level south of crosscut west. This level has been driven 10 feet, making a total distance driven of 411 feet 3 inches. The No. 1 winze in the bottom of this level has been sunk 2 feet, making a total depth of 75 feet. The lode is 4 inches wide, assaying 15 dwts. 15 grains. The No. 2 winze in the bottom of this level has been sunk 4 feet, making a total depth of 56 feet 3 inches. The lode is 4 inches wide, assaying 6 dwts. 12 grains.—320 feet level south. There are two stopes in the back of this level, the average width of the lode being 2 feet, giving an average assay of 11 dwts. 4 grains.—Prospect shaft, No. 2, 117 feet level south. This level has been driven 6 feet, making a total distance driven of 63 feet 6 inches, making a total depth of 92 feet below the 1520,—1520 feet level north. This level has been driven 26 feet, making a total distance driven of 191 feet.—Williams's shaft. Crosscut east from the 1060. This has been driven 13 feet, making a total distance driven of 191 feet.—Williams's shaft. Crosscut east from the 173 driving north 17 feet from the end of the crosscut. Driven 5 feet 6 inches, making a total distance driven of 24 feet 6 inches. The lode is 6 inches wide, assaying 7 dwts, 19 grains. Health good.

MOUNT LYELL.—Engineer-in-charge of mine reports for week

of the crossout. Driven 5 feet 6 inches, making a total distance driven of 24 feet 6 inches. The lode is 6 inches wide, assaying 7 dwts, 19 grains. Health good.

MOUNT LYELL.—Engineer-in-charge of mine reports for week ending April 17: No. 1 tunnel, north drive. Distance driven for week 2 feet, total 20 feet; no change.—No. 3 tunnel, south drive. Distance driven for week 3 feet, total 483 feet; no change.—No. 4 tunnel, south drive. Distance driven for week 3 feet, total 483 feet; no change.—No. 4 tunnel, south drive, No. 3 crossout. Distance driven for week 1 foot, total 31 feet; drive turning to the right and improving.—No. 4 tunnel, south drive, No. 2 rise. Rise has been put up 1 foot for week, total 14 feet; the ore is maintaining its value.—No. 4 tunnel, south drive, No. 4 crosscut. Distance driven for week 1 foot, total 13 feet.—No. 4 tunnel, south drive, No. 3 rise. Rise has been put up 3 feet for week, total 13 feet.—Surface work. Compressor site. The tubes have been placed in the boiler and expanded, and smoke box, and 60 feet chimney erected, and steam pipes connected with compressor. The stripping of overburden at No. 2 bench has been steadily proceeded with during the week. At No. 2 bench the removal of the overburden by means of No. 2 tunnel has been started, and is proceeding satisfactorily.—Progress report for week ending April 17. Hauling line. Terminal ore bins nearing completion.—Smelter building. Blower room walls in progress. Electric light installation in progress.—Crosher building. Steam engine foundation finished, mounting sampling machine, delivery bin of flax crusher nearing completion.—Blast furnaces. Blast connections now completed, both furnace bottoms finished.—Hot blast stoves. Hanging and fitting together 8 inch pipes.—Babcock and Wilcox boilers.—Both fitted up, and feed pump mounted.—Electric light plant. Foundations for engineerand dynamo finished, various leads in progress. Weather very wet, last few days dry.—Railway superintending engineer reports week ending April 16. Progres

gress. Queen River has been in flood all the week. Gaffney and Harvey have completed their contract for the valley section, and are making good progress with their additional mile.

ROBINSON GOLD.—The directors' monthly report is as follows: April, Mine. Quarts mined, 13,505 tons.—Development, Drives, 785 feet; raises, 166 feet; crosscuts, 135 feet; total, 1086 feet,—Main Incline shaft (west). Sixth level. Driving west on south reef, 20 feet; driving east on south reef, 45 feet; crosscut, 27 feet.—Eighth level. Driving west on main reef, 35 feet; driving east and west on south reef, 35 feet; raise, 32 feet; crosscut, 27 feet.—Eighth level. Driving west on main reef, 82 feet; driving east and west on south reef, 82 feet; driving east and west on south reef, 82 feet; driving east and west on south reef, 82 feet; driving east on south reef, 32 feet; crosscut, 9 feet.—Main Incline shaft (east). Fifth level. Driving east on main reef leader, 28 feet; crosscut, 8 feet.—Sixth level. Driving east and west on main reef, 64 feet; raise, 50 feet.—Seventh level. Driving west on mouth reef, 31 feet; crosscut, 19 feet.—Eighth level. Driving east and west on south reef, 9 feet; crosscut, 16 feet.—Ninth level. Driving east and west on south reef, 9 feet; crosscut, 16 feet.—Ninth level. Driving east and west on main reef and main reef leader, 49 fee; raise, 45 feet; total, 1086 feet.—Mill. Stamps at work, 120; net running time, 242 days; tons crushed, 13,505 tons; tons per stamp per diem, 46 tons; gold won from above, 10,117 ounces 16 dwts.—Chlorination and cyanide works. Gold won from own concentrates (by chlorination), 750 ounces; bullion from tailings (cyanide process), 2216 ounces 5 dwts.; bullion from Silmes, Rand Central Ore Reduction Company (Limited), £783 ounces 14 dwts.; from own ore, 13,867 ounces 15 dwts.; gold from concentrates purchased (by chlorination), 2059 ounces; total, 15,926 ounces 15 dwts.

EXPENDITURE	AND I	REV	ENUE					
Crushed	13,505	ons						
Working								
Working 6	apendi	ure	•		Co	at p	ar L	on.
Mining accoun (including mine			_					
	£8,473	16	3	***	£0	12	6	59
Milling account (including mill maintenance)	2,603	3	0		0	3	10	27
General maintenance account	214		11	***	0	0		81
General charges	1,615			***	0	2		70
-					_	-		_
	£12,906	18	6		£0	19	1	37
Expenditure on mine develop- ment, (including main shafts) Ditto on machinery, plant, and	3,247	0	8	***	0	4	9	70
buildings	2,323	14	2	***	0	3	5	29
	£18,477	13	4	***	£1	7	4	36
Retreatment account :-	,						-	
Working expenses at cyanide			-					
and chlorination works	2,623	10	7					
Cost of concentrates purchased (including receiving)	7,656	10						
(in nading receiving)	7,000			8	28.7	58	3	3
Profit for month	• • • • •		***		27,4			3
				£	56,2	14	15	6
Rev	ENUE.					_		
Gold account (mill), 10,117								
	£36,041	13	0					
Sandry revenue	200	0	0					
	-	-	-	£	36,2	44	13	0
Slimes plant account :-	£628	10	0					
6440 tons delivered Company's share of profits to	2,028	10	0					
March 30, 1896	293	2	10					
		_	_		9	22	0	10
Retreatment account :-								

#56,214 15 6
The falling off in the ballion from the Slimes plant is accounted for by changing the order of cleaning up. The difference will be recovered at later stages. During the month a break down occurred to the mill engine, whereby 60 out of the 120 stamps had to be hung up for two weeks.

999

... 11,517 0 0

18.867 0 0

181 1 8

£56,214 15 6

Gold account (tailings), 2216

ounces 0 dwts. ...

for February gold

ounces 5 dwts. ... £7,350 0 0
Gold account (own and perchased concentrates), 2809

Plus amount received in excess of book entry

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#### METAL CIRCULARS.

MESSRS. JAMES LEWIS and SON'S monthly report on ores and metals, dated Liverpool, June 1; states:—Copper: There was but little change in the value of good merchantable copper until the 12th utilty advancing prices—from 48 Jb. 81 18: 94 being paid for three months prompt, while 42 per in the state of the 12th utilty advancing prices—from 48 Jb. 82 41 18: 94 being paid for three months prompt, while 42 per in the state of the call "at £47 10th, of about 1500 tons over this period. This advance inducing realisations, a fall to £47 Tb. 8d, enued on the 28th, followed by a recovery to £47 13s. 9d., and a decline to £47 10s. the same day. Under pressure to sell, down to £47 was accepted to day, but the purchase of 1003 tons by one firm (following other large purchases by the same firm) arrested the decline, and the day closed with buyers at £47 2s. 6d. Stocks today show a decrease of 2495 tons for the month, or 11,195 tons since January 1. The quantity of good merchantable copper now available for consumers and speculators amounts to only about 27,500 tons, and there is every probability of a further gradual and serious diminution of it, as smelters' stocks have seldom been smaller than at present. English refined copper has been in good demand and best selected ingots sold up to £55 per ton, delivered Birmingham. During the last few days purchases of sheets have been made for India. Should these continue, additional inroads on the stock of Ohlil bars will be made by smelters and manufacturers. American consumers, seeing the large increase in the production of the Otited Blates, but not realising the still larger increase in the production of the Otited Blates, but not realising the still larger increase in the production of the Otited Blates, but not realising the still larger increase in the production of the Otited Blates, but not realising the still larger increase in the production of the Otited Blates, but not realising the still larger increase in the production of the Otited Blates, but not realising the stil

Exported to March 31 Leading on	Tons fine. 4839	***	Tons fine. 5264 3761	***		***	Tons fine. 4734 50 3497	***	Tons fine. 4573 5029	***	Tons fine. 6091 3850
, 1	7847		9025	***	8071	***	8281	***	9802		9941
Gold 77s. 9%d. per ounce has since recovered to 31%	stands d, per	out	Bilve	r fe	il to 30	Par d	ied. on	the	12th	ult	., but

noe recovered to 11% at, per ounce standard. Squissiver roth second is quoted at £21 ts, per bottle. Bulphate of copper is source and held for 5s, per ton for prompt delivery.—Lead. £11 5s, per ton for English, soft ha £11 2s. £41, rich in sliver £11 7s. £d., ore of 70 per cent. £4 14s. £d. per define sliver value. Antimony firm at £30 to £30 10s. per ton. Nickel at 1s. 1d. to 1s. 2d. per lb. net. Tin has advanced from £59 15s. to £80 10s. on. Bank rate of discount remains at 2 per cent.

Mesers. Harrington and Co's copper report, dated Liverpool, June 1, says:
—Chili charters for the second half of May are advised as 1200 tons against 500 tons for the previous fortnight, making 1800 tons for the month. The total since December 31 last is 9900 tons, and the quantity same time last year was 9450 tons. Exchange 17946. Bluce our last issue we have had a very active market, fully 17,500 tons gr m.b's having changed hands at from 244 6s. 3d. to 257 12s. 6d. cash and 254 13s. 9d. to 257 12s. 6d. cash and 254 13s. 9d. to 257 12s. 6d. oash and 254 13s. 9d. to 257 12s. 6d. when the prompt perponderating, market became easier, and fair business has been done in cash and short dates down to 257, and for three months prompt 257 7s. 5d., these rates baving been touched to-day generally, but the tone is steadier, with buyers at 257 3s. 9d. and 257 10s, respectively. There is more inquiry for strong copper, and some business has been done in about 50 fr. India, whilst for yellow metal the orders coming in are still low to admit of execution. Strong reports still continue to come from the United States as 12/752 tons on the 13th utt., showing a decrease of 1055 tons for the formight, which with a decrease for the previous forteight of 1450 tons, against 32/755 tons, against 36,217 tons on the 15th ult., showing a decrease of 105 tons for the copper sold, but not yet delivered to smellers. The visible supply for the fortnight is 36,795 tons, against 36,217 tons on the 15th ult., showing a decrease of 125 tons for the month's figures show a decrease of 1764 tons. Reined and manufactured sorts are firm, quotations being —Fough cake 251 to 251 5s., best select 251 10s. to 251 15s., best select 251 10s. to 251 15s., best select 251 10s. to 251 15s., and pellow metal sheets 45/40, per 10.—Furnace material. Several parcels have been sold, but particulars and kept private.

Tons

Tons

Import of Chill copper during the past fortnight	Towners of Chill commo	a Amelian	4100						
Imager of other copper during the past fortnight   Image of other copper during the past fortnight   Image of other copper during the past fortnight   Image of other copper during the same period 44,924 ton fine; for same time last year the figures were 25,670 and 23,527 respectively.   Quotations are:				711 8	gains	t 738	same	time	last year.
Imager of other copper during the past fortnight   Image of other copper during the past fortnight   Image of other copper during the past fortnight   Image of other copper during the same period 44,924 ton fine; for same time last year the figures were 25,670 and 23,527 respectively.   Quotations are:	Delivery of Chili copp	er during	the the						
Import of other copper during the past fortnight				1462		1040			99
Delivery of other copper during the past fortnight	Import of other coppe	e during	the				"		**
Delivery of other copper during the past fortnight	past fortnight			9289		262			
The total imports of Chili and other copper into Liverpool and 8 wanses since January 1 have been 33,451 tons; deliveries during the same period 44,924 ton fine; for same time last year the figures were 25,670 and 23,527 respectively. Quotations are:   To-day.					8+	***	99		98
The total imports of Chill and other copper into Liverpool and Sexanes, since January 1 have been 33,451 tons; deliveries during the same period 44,524 ton fine; for same time last year the figures were 25,670 and 25,527 respectively.  Quotations are:  Tho-day:  Tho				0070		670			
January 1 have been 33,451 tons; deliveries during the same period 44,924 ton fine; for same time last year the figures were 25,670 and 23,527 respectively.  Quotations are:  To-day.  Quotations are:  (217 33, 24, cash and ) (246 73,64, cash and ) (247 108, cash and ) (248 73,64, cash and ) (258 73,64	past fortnight	*****		23/0	- 19 -				**
fine; for same time last year the figures were 25,670 and 20,527 respectively.  Quotations are:  Chill bars	The total imports of C	nill and	other	coppe	r int	O PIAS	rpoot a	na nw	with a strice
Quotations are:   To-day.   May 18, 1895.     Chill bars	January 1 have been 33,	451 toms	; dell	veries	durin	ig the	same [	period	44,924 tons
Chill bars   \$247 3., 9d. essh and \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	fine; for same time last	year the	figur	es wer	9 25,6	70 an	d 26,527	respe	ctively.
247 10s. 0d 3 months   246 13s. 9d.3 months   3	Quotations are:		To-0	lay.			N	[ay 18	, 1896.
## Ore	Chill have	6 £17 :	31, 94.	eash s	5 bns	+42	1 246	7s. 6d.	cash and ?
## Ore ## 98, 156. to 99, 456.	Chill bars	7 £47 1	0s. 0d	3 mon	tha f	***	2 £46 1	3s. 9d.	3 months
Regulus or matte   9s. 6d, to 9s. 9d,   9s. 3d, to 9s. 6d	- Ora								
Precipitate									
June 6, 1895.   June 1, 1894.   Gas 13.8, 9d. cash and 2   Gas 13.8, 9d. cash and 3   Gas 13.8, 9d. of 3.6, 6d.   Fas 3d. to 7a. 6d.   Fac 20.8, 9d.   Fac 20.8, 9d.   Fas 3d. to 7a. 6d.   Fas 3d. to 7a. 9d.   Fa									
Chili bars	w. redibienee					***			
\$\frac{2}{3} \ \frac{1}{5} \ \frac{1}{6} \ \frac{3}{5} \ \frac{3}{5} \ \frac{1}{6} \ \frac{3}{5} \	4-1								
## St. Ot. to 8s. 6d. ## Ca. 9d. to 7s. 0d.  ## Regulus or matte	Chili bars								
## Regulus or matte   89.9d.	A	E MOTO				***			
Precipitate	n Ore			9 88, 90		***			
According to Mesers, Jackson Brothers' figures, the comparative exports of fine copper from Chill and Bollvis to all parts of the world during the first three months of the following years were:—   1898.   1895.   1893.   1892.   1893.   1893.   1893.   1895.						+6+			
fine copper from Chili and Bolivis to all parts of the world during the first three months of the following years were:  1898. 1895. 1894. 1893. 1892. 1897. 1899. 1895. 1895. Tons.	Precipitate								
three months of the following years were:— 1895, 1895, 1891, 1892, 1891, 1890, 1893, Tons. Tons. Tons. Tons. Tons. Tons. 1896, 1895, 1897, 1899,	According to Mesers.	Jackson	Brot	hers' fi	gures	, the	compa	rative	exports of
three months of the following years were:— 1895, 1895, 1891, 1892, 1891, 1890, 1893, Tons. 1896, 1895, 1895, 1896,  Per cent. Per cent. Per cent. Per cent. Per cent.  Copper regulus 5'64 2'19 3'49 12'83  Cupper cre 5'42 10'89 10'20 5'83'11 1892,  Per cent. Per cent. Per cent. Per cent.  1898, 1895,	fine copper from Chili	and Bol	ivia t	o all	parts	of th	e work	d duri	ng the first
1895,   1895,   1894,   1893,   1897,   1897,   1893,   1895									-
Copper cre   September   Copper cre   September   Se	1898, 1895, 1	594.	1093.	18	92.	189	11.	1890,	1889.
Copper cre   September   Copper cre   September   Se				T				Tons.	
The relative proportions of the different descriptions of copper being 1986.   1985.									0720
1896.   1895.   1894.   1893.   Per cent.   Per cent									
Per cent,   Per cent,   Per cent,   Per cent,   Per cent,   Res 94   87-12   88-31   81-82   Res 12   88-31   81-82   Res 12   82-31   Res 12   R	The southed broboto.		o ditt			Preson		bher o	
Bar copper         88 94         87 12         38 -31         81 -82           Copper regulus         5 64         2 -19         3 -49         12 -83           Cupper cre         5 -42         10 -89         10 -20         5 -35           100         100         100         100         100           1892,         1891,         1890,         1893,           Per cent.         Per cent.         Per cent.         Per cent.           Bar copper         94 20         85 -652         82 -285         76 -301           Copper regulus         5 -51         3 -025         15 -935         12 -043           Copper ore         0 -29         1 -322         1 -789         11 -639						*			
Copper regulus 5:44 2:19 3:49 12:83 Cupper cre 10:00 10:00 10:20 5:35 10:00 10	Den conner					-			
Cupper cre         5·42         10·89         10·20         5·35           100         100         100         100         100           1892,         1891,         1890,         1890,         1890,           Per cent.         Per cent.         Per cent.         Per cent.         Per cent.           Bar copper         94·20         85·652         82·285         76·307           Copper regulus         5·51         3-025         15·935         12·043           Copper ore         0'29         1'322         1'789         11·659			629			0119		003	
100   100			***			***		450	
100	Copper cre	5.42	***	10.	69	***	10.50	489	9.32
1892,   1891,   1896,   1819									
Bar copper			***			***		***	
Bar copper 94-20 85-652 82-285 76-307 Copper ergulus 5-51 3-025 15-935 12-043 Copper ore 0-29 1323 1789 11-659		1892.		18	91,		1890.		18:9.
Bar copper 94-20 85-652 82-285 76-307 Copper ergulus 5-51 3-025 15-935 12-043 Copper ore 0-29 1323 1789 11-659			t.				Per cer	it.	Per cent.
Opper regulus 6-51 3-025 15-925 12-043 Copper ore 0-29 1-323 1-789 11-650	Bar copper		-			***	E2-285	***	76*307
Copper ore 0.29 1.323 1.789 11.650									
and the same in th						-40			

Tin.—Since our last the market for cash Straits has fluctuated between 250 lis. 3d. and 250 is. 3d., closing to-day at the lowest, Australian £51 l9s., Roglish £84 l0s., and Peruvian £48 to £59, according to quality. Sulphate of copper.—Makers are firm at £19 l0s., spot, June £19, July £17 to £17 l0s. Lead during the past fortnight has been strady, closing quiet at £11 2s. 6d. for Spanish, and £11 5s. to £11 7s. 6d. for English. Spelter.—The market since our last has been firm at advanced prices, closing at £21 715, 6d. to £17 l8s. 9d. for ordinary Silesian brands. Quickaliver.—Since our last the market has been firm at advanced prices, closing at £21 715, 6d. to £17 l8s. 9d. for ordinary Silesian brands. Quickaliver.—Since our last the market has been fluctuated between 31 1/4d. and 31 4d. per cunce standard, closing to-day at 315/4d. Antimony quiets, star regulus at £20 to £30 l0s, per ton, Ore irregular, about £7 to £3 for 50 per cent. good quality and produce. Bank rate of discount.—The rate has remained at 2 per cent. since February 22, 1894.

Meisrs. HENRY BATH and Son's copper report, dated June 2, has the following:—The Chli charters for the last fortnight in May are advised as 100 tons. The latest Exchange is 17% d. The market has been an active one throughout the fortnight, and prices continued to rise until £71 lbs. cash was reached er the 71th uit., the following day, though the opening was good, and £71 lbs. 6d., paid three months, selles pressed parcels and took the price down abo. 10s. to £47 2s. 6d. cash, and this price has practically ruled since, a large housees having been done yesterday thereat, with 8s. 8d. and 10s. paid three menths. This moraing the market was firm with a large business up to £47 12s. 6d. cash and £47 15s. 6d. forward, closing sellers at 1s. 2d. more. The price of Lake copper in New York was advised as 11% [cents per lb, on the

29th uit, and the market there described as strong. To-day the quotation is 11:50 to 11:62 cents per lb. The shipments from the United States still continue on a large scale, those for May being 10,638 tons. Botwithstanding the large shipments from the States, the stocks on this side are again reduced by a little over 1000 tons, though the visible supply shows a slight increase. The arrivals and deliveries at Hamburg, Rott erdam, and Antwerp during the past fortnight amount to about 1735 tons. The imports of American copper into England have been 2416 tons, and into France 450 tons, or 2366 tons against 629 tons last year. Total actual deliveries for the fortnight have been 5771 tons against 4735 tons imports. Stocks have decreased 1035 tons. Total visible supply shows 36,910 tons against 36,785 tons last fortnight. We have no transactions in furnace material to report.

Affect Total

				Afloat	Total
England and France.	Impor	ts. D'llv's	s. Btocks.	& Char-	visible
Chill copper at Liverpool, 8	wanses.		60	red for.	suppry.
and in France	71	1 1599	27,571	3250	30,821
Australian and Japanese	61	4 662	892 .	1900	2,792
American copper at Li	verpool,		***		***
London, and Swansea	241	9 2364	845		645 937
Other copper at Liverpool &	wansea 40	5 503	937		1 969
American copper in France Other copper in France	12	0 503	1,282		1,262
Other copper in France	or corress At	0 140	441		_ ***
Tone fine copper dur	ing the				
fortnight	473	5 5771	31,751	. 5150	36,901
Against tons on May 19, 1896	488	3 5943	22,786	4000	36,789
Against tons on May 2, 1896	********* 469	5 6700	34,246	4200	30,410
	1895.	1894.	1893.	1892.	1891.
Total visible supply, June 1					
		1897.	1889.	1:88.	1837
Total visible supply, June 1 Price of Chili bars same de		82,567 .	117.183	69,321	54,831
Price of Chili bars same de	te: -£43 5s.,	£38 13s. 9	d., £43 7a. 6	d., £45 1	28. 64.
£55 5s., £54, £40 17s. 6d., £31	28, 5d., £39	7s. 6d.			
	1896.	1295.	1894.	1893. Tons	1892.
	Tons fine,	fine.	fine.	fine.	fine.
Imports from Chill and B	olivia	Hille?	Miso.	alito,	11110
from January 1 to date	8.538	., 8,693 .	8,161	9,144	7,898
Imports from America	from	., -,			1.
January 1 to date	20,155 .	14,480 .	18, 498	13,250	11,838
the first section of Parkets	1891.	1890.	1889.	1388.	1837.
	Tons	Tons	Tons	Tons	Tons
	fine.	fine.	fine.	fine.	fine.
Imports from Chill and Bo		10 000	24 100		** ***
from January 1 to date	7,620	10,808	14,169	15,815	11,790
Imports from America i	rom .c.car	10.000	22 000	10 000	9.012
January 1 to date					
The shipments to Europe	from Americ	a from J	anuary 1 to	date are	48,248
tons as against 24,399 for the					
The shipments affort from	America are	restamate i	at 3500 tons.		
Imports,-The arrivals from	II the west (	Regular	Bars, Ingot	Barilla	
At Swanses -	Oles	, reof mass	nara, major	. Datin	•
Sarmiento (s) from Calders, &	e 527	49	329		
At Liverpool-					
Liguria (s) from Valparaleo,	ke		255	-	
In France-Nil.				-	
Tone	527	40	504		ine
Corresponding period of	8951974	*** **.	703250	50 = 130	8 10
	893 11	*****	562	- = 56	100
	892	1191	741 85	- = 147	1 18
StocksWe estimate the p	resent avails	tote quant	tries of Wes	E COMBE	copper
Ore	a D	ars.	Ingots.	n.	-111-
At Swanson		154			arilla.
Liverpool 19	25,7			******	_
In France	1	60	44.0	1	230
-	_	-	-		-
10	25,	741			230
Representing about 27,571 ton	s line copper	against 2	5,459 tons on	the 19th	a ult.
against 40,069		99	, 3	June 1, 1	895,
33,035		**		June 1, 1	803
34,344		49		Jane 1, 1	893,
Supply of West Coast coppe	r may be est	Imated for	m the follo	June 1, 1	res : -
supply of Heat Coast coppe	. may be est	month in	Tons.	ming ngu	1981-
Actual stocks at Swanses, Liv	erpool, and	in France			
Affoat and chartered for at d	ate of last at	ivioes per	A 1992 JULY 1		
mail and cablegram			3,250		
	A CONTRACTOR OF				

Quotations for West Coast copper are as follows:

— June 5, June 2, June 2,

To-day, 1895, 1894, 1893, Bars .......247 12/6 to £47 13/9 £43/5 ... £33 13/9 ... £43 7/6 ... £46 12/6 Ingots, Urmeneta ... Nom. Nom. Nom. ... Nom. ... £47 15/ ... £49 15/ Freeipitate... about 9/9 ... about 9/3... about \$/ ... about \$/ ... about \$/ ... \$49 15/ Freeipitate... about 9/9 ... about 9/3... about \$/ ... a

against same date 1895, stock 40,059 afloat, &c., 3,150=43,219
1894, 33,055 3,100=36,155
1893, 34,344 2,600=36,944
1892, 33,952 3,400=37,352

30,321 against 31,359 tons May 19, 1896.

#### ANCIENT MINING.

WITH ESPECIAL REFERENCE TO THAT CARRIED ON IN GREAT BRITAIN.

By A. COOPER KEY (Student),

(Continued from page 659.)

HERE is some evidence to support the theory that the Rio Tinto Mines in Spain were worked by the Phenicians and Carthaginians, and strong evidence as to Roman working. It is instructive to note that the skulls which have been found in the derelict mines, and presumably, almost assuredly, those of the slaves employed, are of an African type. The point here, of course, is that only slaves would have been disposed of in the mines and that the represent where the Carthaginian here, of course, is that only slaves would have been disposed of in the mines, and that the managers, under the Carthaginian régime, would never have been abandoned in this manner, except that it might have been impossible to extricate them, after an accident, or owing to other causes. The evidences of Roman work in these mines are of a date about a century after the Christian era. The mines were carried on by them until about 400 a.d., when they were broken up by the Visigoths. Through 11 centuries their history is unrecorded. In 1547 Philip II. carried on negotiations with regard to the reopening of the mines, but unsuccessfully. In 1725 the Rio Tinto Mines were leased (by the Crown) to Siebert Wolters, a Swede, from whose representatives they reverted to the leasors in 1783. From this date for about 90 years they were worked irregularly, sometimes by the Government, and sometimes under lease. These efforts were, however, never erowned with success. In 1873 the mines were offered for sale by public tender, and were acquired by Messrs. Matheson and Co., who constructed the present company, known as Rio Tinto (Limited). Some of the calleries in the wines of this district term records and others.

present company, known as Rio Tinto (Limited). Some of the galleries in the mines of this district are round, and others square, and it has been thought that the former are of Phoenician character, and the latter of Roman origin.

At San Domingos, in Portugal, the mines at which place are now being worked by Messrs. Mason and Barry, several Roman relies have been found, including coips, tools, and some large drainage wheels. There are, too, vast heaps of scorize at these mines, as in nearly all others in Spain and Portugal, which is in-

" A paper readibefore the first Students' Meeting of the Institute of Mining and Metallurgy.

dicative of ancient working. Similar relics have been found in the Tharsis Mine. Iron ores were extensively worked in the Island of Elba by the Greeks about 700 B.C.

5. General Observations.—Whether iron or bronze was first used is a question which has given rise to considerable discussion among archeeologists, philologists, and metallurgists. Professor Max Müller, reasoning on a philological basis, argues that the "Greek language was spoken before the use of iron, and that iron was certainly not known previous to the breaking up of the Aryan family." The pivot on which this deduction swings is the following fact:—"In the Homeric poems, knives, spear points, and armour are still made of copper." St. John V. Day controverts this hypothesis, remarking that sufficient importance has not been attached to the testimony of the Coptic and Egyptian languages, from which he argues that iron should have the preference. the preference.

the preference.

The priority of bronze has generally been reasoned from the quantity of relics composed of that metal, and the lack of those made of iron. In drawing such a conclusion, however, it should have been remembered that iron is very rapidly corroded by oxidation, while bronze is but slowly acted upon. Thus, unless the iron articles had been so placed as to receive the minimum effect of the atmosphere, no trace of them would now remain. This is the position in which they have been discovered—viz., in the joints of the Great Pyramid, in the driest country of the world. Ezypt. Reasoning on purely metallurgical grounds, Dr. This is the position in which they have been discovered—viz, in the joints of the Great Pyramid, in the driest country of the world, Egypt. Reasoning on purely metallurgical grounds, D. Percy says:—"It is reasonable to suppose that the age of iron preceded the age of bronze." "Of all metallurgical processes, the extraction of malleable iron may be regarded as the most simple, and its reduction requires a degree of skill very far inferior to that implied in the manufacture of bronze." In early days iron was more costly than bronze. Doubtless this fact has something to do with the sparing use of the metal. Iron was smelted by the means of charcoal, which was used in lieu of wood in its natural state, as it was lighter, and consequently less expensive to transport. Bronze was, no doubt, the first metallic compound known to mankind, and so extansively was it employed, that in the chronology of archaeology is made the important division of the Bronze Age, which is subsequent to that of stone, and either coeval with or anterior or posterior to that of iron. This alloy (of copper and tin) was much harder than copper, and was consequently much used for making swords, spears, and hatchets. These weapons were not forged, as at the present time, but were cast in moulds and then hardened by grinding on stones. The components of the alloy varied in their proportions, as the following analyses show:—

			Copper,	Tin,	
			Per cent.	Per cent,	
An ancient sword			 89	11	
An ancient sword			 85	15	
An anciet weapon li	ke a cutlass		 90	10	
A coin of Alexander		335 в.с.	 86:72	13.14	
A coin of Philippus	V., 200 B.C.		 85.15	11.10	
A coin of Athens			 88.41	9.95	
A coin of Ptolemy I	Х., 70 в.с.		 84.21	15.59	
A coin of Pompey,	53 B.C.		 74.11	8.56	
A coin of Atilia fam			 68.72	4.77	
A coin of Augustus	and Agrippe	, 30 в.с	 78.58	12.91	
	No. of the last of	410		(A) (3)	

(The proportions of the other ingredients are omitted.)

(The proportions of the other ingredients are omitted.)

Tin and lead appear to have been confounded by the ancients since the names of the metals are often used indifferently in Heprew, Arabic, Greek, and Latin. The Romans evidently considered them different forms of the same metal, as they termed tin "plumbum album" or "plumbum candidum" (white lead), while lead proper was called "plumbum nigrum" (black lead). The word "stannum" definitely assumed its present meaning in the fourth century (Kopp).

6. Mineral and Metal Workings of the Britons.—It is probable that the Britons were acquainted with iron and methods of reducing its ores previous to the invasion of Casar. The iron ore was probably worked in Sussex. The furnaces employed were, it is thought, simple conical structures, with small openings for the admission of air, and a large one for the escape of the products of combustion. They were eracted on high ground, so that the wind might assist combustion. The fire being kindled, successive layers of ore and charcoal would be placed in it, and the heat regulated by opening or closing the apertures below. The resulting material was an imperfectly malleable iron, as the temperature never rose sufficiently high to fuse the ore. These furnaces are termed "air bloomeries;" similar ones were used by the natives of Africa, and, in a modified form, they are retained in Spain along the coasts of the Mediterranean where rich ores are worked.

7. Roman Working in Britain.—Throughout the mineral

used by the natives of Africa, and, in a modified form, they are retained in Spain along the coasts of the Mediterranean where rich ores are worked.

7. Roman Working in Britain.—Throughout the mineral localities of our country exists at this date visible proof that the Romans were workers of minerals to a large extent. In the many scoria or débris heaps scattered about in various counties are found Roman coins and Roman war implements. Their acquaintance with coal seems to be proved by the mixture of lumps of coal and coke cinders with cement and other materisls in Roman floorings and walls. Whether the Romans worked tin mines in Cornwall is a controverted point. There are some grounds for supposing that they did; their workings, however, were of limited extent. The following evidence is of importance. In the mine called Baldue (the black work about a mile from Chacewater) occurs what is believed to be an example of Roman engineering, for the "perfection of the arch of the adit or level appears to justify this conclusion." "In the same parish remains conjectured to be of Roman origin have also been found." At other places in the county—Hayle, Godolphin, Leeds Town, St. Hilary—coins, urns, pottery, stones, and other relies pointing to Roman occupation have been discovered. Mr. William Borlase, in his "Historical Skotch of the Tin Trade of Conwall," has gone thoroughly into the evidence as to the Roman trade, but it would be impracticable here to recapitulate the various points brought forward by him.

wall, has gone thoroughly into the evidence as to the Roman trade, but it would be impracticable here to recapitulate the various points brought forward by him.

In Yorkshire evidences of Roman mines have been discovered at Greenhow Hill, near Pateley Bridge. In Northumberland and Durham, particularly near Allendale and on Alston Moor, large masses of Roman scorie have been discovered, and in many cases lead has been remuneratively extracted therefrom Gold was undenbtedly worked in Wales, in the neighbourhood Gold was undoubtedly worked in Wales, in the neighbourhood of Llandovery and Lampeter, at Gogofau, by the ancients, and possibly by the Romans. In the first instance the working vas by means of large quarries and caves, but in later tim lofty galleries were driven. It is believed that the well-out galleries are Roman, and that the opencast works are attributable to the Principle. to the British. In Lincolnshire, near the village of Clarby, have been found "fragments of iron slag, calcined ore, and charcoal, associated with Roman pottery." Clarby is situated on the iron ore bearing rocks of the Lincolnshire lower lias clay.

(LIMITED) have sold the gold produced in April for £1731 17s. 9d The Coromandel Gold Mining Company of The CHAMPION REEF GOLD MINING COMPANY OF INDIA (LIMITED) have sold the gold produced in April for £25,398 4s.1d. The MYSORE REEFS (KANGUNDY) COMPANY (LIMITED) have sold the pold obtained in April for £290 2s. 10d.

(To be continued.)

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### PROVINCIAL SHARE MARKETS.

THE CORNISH MINE SHARE MARKET.

THE CORNISH MINE SHARE MARKET.

Mr. MICHAEL WILLIAMS BAWDEN, Mining and Assaying Offices, planted, Cornwall, writes (June 4):—The share market continues and neglected. Tin has not shown any improvement during week, and prices remain much the same. Quotations:—Basset 1888, 1 to 1½; ditto (5s. paid), 5s. to 6s.; Blue Hills, (call paid) to 5s.; Carn Brea, 9s. to 10s.; Devon Consols, 1 to 1½; Dolembi 15s. 6d. to 16s.; ditto (7s. 6d. paid), 5s. to 6s.; East Pool, 2½ 12; Killifreth, 9s. 6d. to 10s. 6d.; Levant, 4 to 4½; Polberro, 8s. 18s. 6d.; West Kitty, 1½ to 2; Wheal Grenville, 6 to 6½; Wheal 18ty, 2s. to 2s. 6d.; Wheal Metal, 3s. 6d. to 4s.

gity, 2s. to 2s. 6d.; Wheal Metal, 3s. 6d. to 4s.

Messrs. ABBOTT and WICKETT, Stock and Share Brokers and

Mining Share Dealers, Redruth, write under date of June 4:—

for little doing in anything, and until tin moves it is not likely

at shares will command much attention. Quotations herewith,

is in the absence of business they are mostly nominal, and good

less can neither be bought or sold:—Blue Hills, 1s. to 2s.;

Last Mines. \$\frac{1}{2}\$ to 1; Carn Brea, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; Dolcoath (fully paid),

16. 6d. to 15s. 6d.; ditto (7s. 6d. paid), 5s. to 6s.; East Pool,

16. 2s. Killifreth, 11s. 6d. to 12s. 6d.; Polberro, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; South

16. 5s. to \$\frac{1}{2}\$; Tincroft. \$\frac{1}{2}\$ to \$\frac{1}{2}\$; West Kitty, 2 to \$2\frac{1}{2}\$; Wheal Gren
16. 5s. to \$\frac{1}{2}\$; Wheal Kitty, 1s. to 2s.; Wheal Metal (3s. paid),

16. 4d. to 4s. ille, 5 to 1s.

#### MANCHESTER.

MANCHESTER.

Mesers. JOSEPH R. and W. P. BAINES, Stock and Share Brokers, there's Chambers, 7, Market street, write Jane 4 (noon):—As our port last week was a simple negative, owing to circumstances reliar to Manchester in Whit week, we have taken our comprison of values all round with the figures of a fortnight agomete we need do no more than refer readers to the changes amerated below. The feature, in the meantime, is to be found a Midlands, which, after a fair set-back from best figures, retain as of at least 7 on the fortnight. With conversion prospects, then in good quarters are still considered distinctly cheap. On as whole, despite the little relapse on profit taking, home rails so with very slight exceptions, all on the upward tack, and bid fair a follow this up. Other descriptions of rails are irregular, Grand that issues and Canadians generally being better all round, but increase lower for the most part. The "bell wetters" in instricans quote nearly or over \$1 down, but for the rest fractional delices are the rule, from which the exceptions are few. Markets when the rails speak for themselves by the changes given hereside:—

garthan rails speak for themselves by the changes given herender:—

BRILISH RAILS.—Higher: Caledonian, \(\frac{1}{2}\); ditto Deferred, \(\frac{1}{2}\);

BRILISH RAILS.—Higher: Caledonian, \(\frac{1}{2}\); ditto Deferred, \(\frac{1}{2}\);

BRILISH RAILS.—Higher: Caledonian, \(\frac{1}{2}\); ditto Deferred, \(\frac{1}{2}\);

BRILISH RAILS.—Higher: Algebra, \(\frac{1}{2}\); cotto Deferred, \(\frac{1}{2}\);

BRILISH RAILS.—Higher: Algebra, \(\frac{1}{2}\); Chathams, \(\frac{1}{2}\);

Brish Rails, \(\frac{1}{2}\); Dever A, \(\frac{1}{2}\).

Caradian Pacifics, \(\frac{1}{2}\); Briver, \(\frac{1}{2}\); ditto Brish Preference, \(\frac{1}{2}\); ditto Second Preference, \(\frac{1}{2}\); ditto Third Preference, \(\frac{1}{2}\); \(\frac{1}{2}\); ditto Second Preference, \(\frac{1}{2}\); ditto Third Preference, \(\frac{1}{2}\); \(\frac{1}{2}\); ditto Second Preference, \(\frac{1}{2}\); ditto Third Preference, \(\frac{1}{2}\); ditto Bonds, \(\frac{1}{2}\); Mulwaukees, \(\frac{1}{2}\); Ponvers, \(\frac{1}{2}\); ditto Preference, \(\frac{1}{2}\); inwilles, \(\frac{1}{2}\); Milwaukees, \(\frac{1}{2}\); Rries, \(\frac{1}{2}\); Ontons, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Rries, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Allahios, \(\frac{1}{2}\); Turks, 1891, \(\frac{1}{2}\); The Oonverted D, \(\frac{1}{2}\).

Barks,—Higher: Adelphi, \(\frac{1}{2}\); Bank of Liverpool, \(\frac{1}{2}\); Imperial

int,1: Spanish Four per Cent., \(\frac{1}{2}\); Uruguay Three and a-Half per \(\text{lat}\),\(\frac{1}{2}\).—Lower: Portuguese Three per Cent., \(\frac{1}{2}\); Turks, 1891, \(\frac{1}{2}\); him Converted D.\(\frac{1}{2}\).

BANKS.—Higher: Adelphi, \(\frac{3}{2}\); Bank of Liverpool, \(\frac{1}{2}\); Imperial Roman, \(\frac{1}{2}\); District, \(\frac{1}{2}\) to \(\frac{1}{2}\); Union of Manchester, \(\frac{1}{2}\).

BEURANCE.—Higher: Lancashire Inscribed, 1-16 to \(\frac{1}{2}\); Pala'ing sambed, \(\frac{1}{2}\); Reliance Marine, 1-16; Royal, \(\frac{1}{2}\); Times Mutual, \(\frac{1}{2}\) to \(\frac{1}{2}\). Feliance Marine, 1-16; Royal, \(\frac{1}{2}\); Times Mutual, \(\frac{1}{2}\) to \(\frac{1}{2}\). Felianchester Fire, 1-16; Thamos and Mersey, 1-16

IMEGRAPHS AND TELEPHONES.—Eastern Preference, \(\frac{1}{2}\); himmal Telephone, \(\frac{1}{2}\) to \(\frac{1}{2}\).—Lower: Anglo-American Deferred, \(\frac{1}{2}\); himmal Telephone, \(\frac{1}{2}\) to \(\frac{1}{2}\).—Lower: Anglo-American Deferred, \(\frac{1}{2}\); himmal Telephone, \(\frac{1}{2}\); West India and Panama, \(\frac{1}{2}\).

Oal, Inon, \(\partial C\).—Higher: Bolckow Vaughan, \(\frac{1}{2}\)20 paid, 1; ditto, \(\frac{1}{2}\)20 paid, 3-16; John Browns, \(\frac{2}{3}\); Cammells, \(\frac{1}{2}\); Ebbw Vales, 1-16.

-lewer: North Lonsdale, \(\frac{1}{2}\); Sheepbridge "A," \(\frac{1}{2}\); Tredgar "A,"

Bauweries.—Higher: Chester's, 1; Manchester, ½; Parker's, 1½; issell's, ½; Threlfalls, 2½.— Lower: Allsopp's, 1; Bent's Ordi-

un, ‡.

\*\*MEGELLANEOUS.\*\*—Higher: Tower Ordinary, 6d.; Bryant and lu, ‡; Chadwick Ordinary, 4; ditto Proference, 2½; Cont's, 6½; Coms's and Winkworth, ‡; Eastman's, ‡; Howard and Bullough, ‡; Pacific Steam, ‡; Ruston Proctors, ½; Manchester Trust, 3s.; Inthern Assets, is.—Lower: Blackpool Winter Gardens, ‡; Hether-tion's, ‡; Whitworth's, ½ to ‡; Imperial Continental Gas, 3 to 6.

\*\*LATER (4 p.m.)\*\*—Home ralls have come into favour again, and imas have strengthened somewhat. In Canadians, Trucks a little lass. Mexicans nothing much doing. Americans began fairly wil, and held up to opening, or rather are finishing about firm.

#### OTTH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

-Mr. J. GRANT MACLEAN, Stockbroker and Ironbroker in 4), writes:—During the past week the markets have been are active, and prices rising owing to the better news from the hosvaal, improving reports of trade, and the upward tendency of a stat markets.

In there of coal, iron, and steel companies prices are irregular. In Marbella output for May was 2336 tons. Steel Company of including improved to 62, but have relapsed to 63. Cowdenbeath bil are at 162, Marbella 41s., Niddrie 42s. 6d., Wilson's and Clyde

is shares of copper concerns prices are improving, owing to the instable statistical position and prospects of the market. Arizona is at 61s. 6d., Mount Lyell 8s., Tinto 23s., Tharsis 117s. 6d., Central

a shares of gold and silver mines a considerable amount of busins has been done on the announcement that the South African Mikal prisoners with the exception of four had been released. The this market assumed a stronger tone and prices advanced cordenbly. Chartered touched 85s. 6d.; Consolidated, 13§; East lad, 8‡; Randfontein, 70s.; and Sheba 43s. 6d. Broken Hill have resumed to 15s. 6d. Hardraki will pay a dividend on June 24, and hid Ratates of Australia 3s. interim on July 1. Nundydroog fell as 80s. to 70s. 6d. on rumours of cholera at the mine, but have reward to 71s. 6d., and it is said the new stamps will be being next month. East Rand Gold, Coal, and Estates, high No. 2 South, and Malacate shares offered. South, and Malacate shares offered. Add.; Afrikander, 31s.; Brownbill Proprietary, 20s. 6d.; Balaghat 18; Big Blow, 11s. 3d.; Bendigo Gold Fields, 11s. 6d.; Corosus 18; Big Blow, 11s. 3d.; Bendigo Gold Fields, 11s. 6d.; Crosus 18s., 47s. 6d.; Caratal, 1s. 3d.; Charterland, 17s.; Croydon Consols, 16d.; Doorokorp, 5s.; Bast Orion, 4s.; Emma, 2s. 3d.; East-16d.; Faith, 12s. 6d.; Graskop, 5s. 3d.; Ginsberg, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Golden Horse Shoe, 42s. 6d.; Mill Fields of Mysore, 27s. 6d.; Klerksdorp, 17s.; Kathleen, 4s.; Lake View old and silver mines a considerable amount of

South, 53s, 9d.; Londonderry Consols, 2s. 6d.; Lisbon, 6s. 9d.; Mainland Consols, 82s. 6d.; Mount Morgan, 77s. 6d.; Murchison New Chum, 9s. 6d.; North Boulder, 31s.; Nine Reef, 7s.; New Queen, 7s. 3d.; Nouveau Monde, 1s. 9d.; Nigel Deep, 42s. 6d.; Ouro Preto, 20s.; Ottos Kopje, 6d.; Paddington, 39s. 6d.; Rhodesia (Limited), 24s.; Sam's Wealth of Nations, 7s. 3d.; Town Properties W.A., 27s. 6d.; Violet, 18s. 6d.; Wentworth, 21s.; Woodstock Transval, 37s. 6d.

Transvaal, 37s. 6d. In shares of miscellaneous companies there has been a fair amount of business doing, and prices are generally higher. Young's paraffin Oil Company has issued a satisfactory report, but no dividend is to be paid, and the balance of £20,037 carried forward. Broxburn Oil are at  $10\frac{1}{4}$ , Cliffen's, 12s.; and Hermand, 2s. Glenburg Fire Clay are at  $8\frac{3}{2}$ ; Luwe's Chemical,  $6\frac{1}{6}$ ; and Nobel Dynamite,  $17\frac{1}{4}$ , ex. div.

#### EDINBURGH.

EDINBURGH.

Messrs. Thomas Miller and Sons, Stock and Share Brokers, 69, Hanover-street, Edinburgh, report as follows under date of June 4.—The only important change in Scotch Railway ordinary stocks since last week's report is in Glasgow and South Western, which has advanced from 131 to 1363. Preference stocks continue in demand, Insurance shares show a fair general improvement, Caledonian have risen from 28 to 29, English and Soottish Law from 12 13-16 to 12 15-16, Liverpool and London and Globe from 53½ to 54½, North British and Mercantile from 37½ to 39, Royal from 55 to 55½, Scottish Life from 39. to 40s., Scottish Metropolitan Life from 41s. to 41s. 6d., Scottish Union A, from 90s. 3d. to 91s. 6d., Standard Life from 55½ to 58. Life Association have declined from 45½ to 45. Bank Stocks have been firm. British Linen, which is paying an increased dividend, has advanced from 421 to 430, Clydesdale from 21½ to 21½. Commercial from 75½ to 76, National from 355½ to 360, Royal from 230 to 233, Union from 22 11-16 to 22 13-16, British South Africa Chartered shares have risen from 63s. to 82s., Lothian Coal Preference shares have improved from 7½ to 8½, Niddrie Coal from 41s. to 43s., Steel Company of Scotland shares have fallen from 6½ to 5½, Arizona Copper from 62s. 9d. to 61s. 3d. There has been an advance in Rio Tinto and Tharsis, in Mysore Gold, and Pumpherston oil. Coats have further risen from 45½ to 49½.

#### THE IRON AND STEEL MARKET.

The following is the Quarterly Report of Messrs, BARRY, HEAD, and Co., June 4:-

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		P		e pe	r		F,o,b at		discour
IRON									
Superior Crown	Bars	. £	5	5	0		Middlesbro'		3
Common Bars	*** **		5	2	6	***	do		3
Ship Plates	*** **		5	0	0		do		3
Ship Angles	*** **		4	17	6		do	***	3
Single Sheets	*** **		7	2	6		do	***	3
Paddled Bars	*** **		3	7	6		do	***	nett.
STEEL.									
Bars			5	15	0	***	do		3
Ship Plates	***		5	5	0		do		3
Ship Angles			5	0	0		do	***	3
Hoops and Strip			6	0	0	***	do		3 .
Charlier Shoe Ba	rs		6	5	0	***	do		3
Cut Nails	*** **	. '	7	0	0		do		74
Heavy Rails, 56	bs		4	12	6		Works Port		nett
Light Rails, 14 l	bs	. 1	5	2	6		do		do
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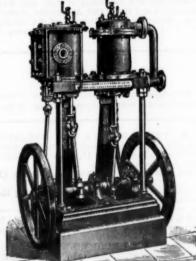
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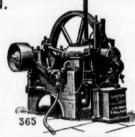
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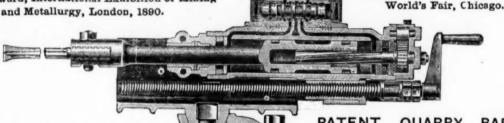
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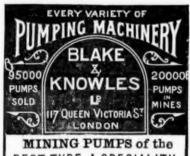
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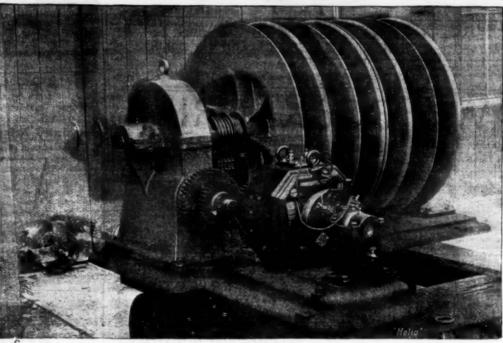
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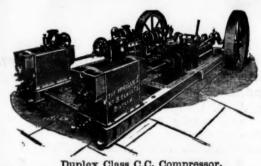
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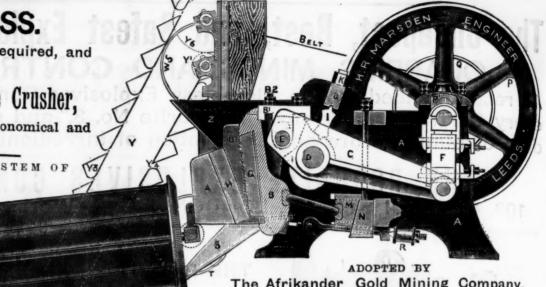
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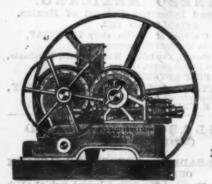
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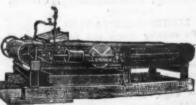
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